

# KET Education Resources

## 2013-2014

**KET.org/education**  
**1-800-432-0951**

KET offers Kentucky educators thousands of instructional resources. This book is designed to help teachers, media specialists, and school administrators access and use these resources. It is published annually and distributed to Kentucky teachers in K-12 schools, preschools, and adult education centers.

This book contains information about:

- instructional television programs and series available on KET's website and airing on KET;
- KET EncycloMedia, now expanded to include PBS LearningMedia and KET ED On Demand;
- professional development resources for teachers and administrators, pre-K through adult education;
- distance learning classes for secondary students;
- support services for KET resources, video production, and technical needs including Media Lab workshops.

**NETA AWARD FOR TEACHER RESOURCE**

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**W**ELCOME to KET Education! As you browse through this book, you'll find a wide variety of engaging, high-quality resources to help you create a dynamic, productive learning environment for your students.

To learn more about our services and resources for teachers, please visit [KET.org/education](http://KET.org/education) or see page 5 for contact information for our education consultants. They're always ready to answer your questions, keep you up-to-date on the latest KET offerings, and help you incorporate KET resources into your teaching.

You can also visit [KET.org](http://KET.org) to access new KET programs and series as well as old favorites like PBS Kids, *Kentucky Life*, *Masterpiece*, *Nova*, and *Nature*.

Best wishes for a successful school year! And thanks for making KET your classroom partner.

**Shae Hopkins**  
Executive Director



For information about KET resources, call the Education Division at (800) 432-0951 or visit our website at [KET.org/education](http://KET.org/education).

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# KET SERVES EDUCATION

KET education consultants serve Kentucky schools and universities by providing information and training on KET educational resources and multimedia production. Contact your education consultant to schedule a visit or an onsite workshop for teachers, preservice teachers, students, or STLP groups. We look forward to working with you to meet your school's learning goals and needs.



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### GED CONNECTION

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### Teacher's Guide & DVD Orders

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### KET Scheduling and Programming

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### Viewer Reaction Line (800) 926-7765

*Automated line for viewers' comments about KET programs.*

### Tours of KET

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### Digital Reception/ Technical Support

For questions concerning digital receivers, existing reception equipment, and school A/V distribution systems, call KET Technical Services at ext. 7173; e-mail at schooltechsupport@ket.org .

## EDUCATION CONSULTANTS BLOGS

KET's education consultants blog regularly. See what we're talking about.

### Class Sync:

**blogs.KET.org/classync**  
Cynthia Warner's Southeast Region Blog

Southeastern Region Wiki:  
**cwarnerKET.wikidot.com/**

### North by Northeast:

**blogs.KET.org/nxne**  
Helen Morrison's Northeast Region Blog

### Networking:

**blogs.KET.org/networking**  
Education Consultants' Blog

### MediaWorks:

**blogs.KET.org/mediaworks**  
Jeff Gray's Multimedia/Production Blog

And check KET's Education website and Twitter for updated information:

**KET.org/education**  
**twitter.com/educationKET**

## How to Access Resources

You'll find additional information about new KET resources in the content sections of this book. Unless otherwise indicated, most can be accessed via KET EncycloMedia ([KET.org/encyclomedia](http://KET.org/encyclomedia)), either on KET ED On Demand or PBS LearningMedia.

## arts & humanities

### Arts and Culture iBook

Grades K-12

Available online in iBooks via [iTunes.com/iBooks](http://iTunes.com/iBooks)

The Arts & Culture section of the Visual Arts Toolkit is now available as a free iBook, in full color and with embedded video. See page 20.

### Beauty of Jasmine

Grades 5-12

Available online at PBS LearningMedia via [KET.org/encyclomedia](http://KET.org/encyclomedia) and in iBooks via [iTunes.com/iBooks](http://iTunes.com/iBooks)

Video segments and related classroom materials showcase a variety of Chinese dance and music performance by young people. See page 21.

### Jubilee

Grade Levels: 6-12

Website: [KET.org/jubilee](http://KET.org/jubilee)

Performances by a wide variety of bluegrass groups showcase traditional bluegrass as well as "New Grass," a fusion of bluegrass and other musical styles. See page 23.

### Kentucky Muse

Grades 9-12

[KET.org/muse](http://KET.org/muse)

Streams online at KET ED On Demand via [KET.org/encyclomedia](http://KET.org/encyclomedia)

New programs in this ongoing KET series will include documentaries about the Kentucky Guild of Artists and Craftsmen, Actors Theatre of Louisville, and the music group Appalatin. Short "Muse Moments" include profiles of Lexington artist Jacob Isenhour and cloud artist Berndnaut Smilde. See page 22.

### A World of Music Online

Grades K-12

Available online at [KET.org/artstoolkit/wom/index.htm](http://KET.org/artstoolkit/wom/index.htm)

Originally released as a CD-ROM within the KET Music Arts Toolkit, this resource includes social studies/music information about countries around the world and PDFs of Lesson Plans from the Music Arts Toolkit. See page 20.

### World of Dance and Music Online

Grades K-12

Available online at [KET.org/artstoolkit/wodm/index.htm](http://KET.org/artstoolkit/wodm/index.htm)

Originally released as a CD-ROM within the Dance Arts Toolkit, this resource includes social studies/dance and music information about countries around the world. See page 20.

## english/language arts

### Inspiring Middle School Literacy

Grades 5-8

Available on PBS LearningMedia via [KET.org/encyclomedia](http://KET.org/encyclomedia)

These online self-paced lessons are designed to enhance the literacy skills of struggling readers. Each uses videos, interactive activities, note taking, reading, and writing to present students with an engaging science, social studies, mathematics, or English/language arts topic. See page 37.

## mathematics

### Everyday Math for Preschoolers

Grades PreK-Kindergarten

Available on PBS LearningMedia via [KET.org/encyclomedia](http://KET.org/encyclomedia)

These engaging multimedia resources based on Everyday Math for Preschoolers, KET's early childhood mathematics curriculum, introduce young students to fundamental concepts such as shapes, numbers, and patterns. See page 42.

## practical living

### Healthy Me

Grades PreK-Kindergarten

Available on PBS LearningMedia via [KET.org/encyclomedia](http://KET.org/encyclomedia)

Designed to complement KET's preschool health curriculum, this collection of resources helps the youngest students understand how their bodies work and what they can do to keep them healthy. See page 47.

## science

### A Bean's Life

Grades P-2

Available on KET ED On Demand via [KET.org/encyclomedia](http://KET.org/encyclomedia)

This video, produced in conjunction with *Think Garden*, explains the life cycle of the pole bean, from germination to harvest and consumption. Available winter 2013. See page 52.

## Think Garden

Grades 3-5

Available on PBS LearningMedia via [KET.org/encyclomedia](http://KET.org/encyclomedia)

How does your garden grow? Elementary students find answers to that question in this new collection of short videos and auxiliary classroom materials about the history, practice, science, and economics of growing food. See page 54.

## Kentucky's Natural Heritage: An Interactive Guide to Biodiversity

Grades 4-12

Available on PBS LearningMedia via [KET.org/encyclomedia](http://KET.org/encyclomedia)

Kentucky is one of the most biodiverse places in the nation. This collection of videos and interactives produced in partnership with *Kentucky Life*, Kentucky Nature Preserves Commission, and the University Press of Kentucky, helps students understand the meaning and importance of biodiversity. See page 53.

## Kentucky Bio

Grades 4-6

Available on PBS LearningMedia via [KET.org/encyclomedia](http://KET.org/encyclomedia) and iTunes U

This engaging ebook features video and interactives to help students master science content while learning about Kentucky's plants, animals, and ecosystems. The book is designed to help meet English/language arts standards for science reading, and is especially useful for the fourth-grade Kentucky-focused curriculum. Available winter 2013/2014. See page 53.

## social studies

### Capitol Education

Grades 3-8

Available on PBS LearningMedia via [KET.org/encyclomedia](http://KET.org/encyclomedia)

Take a whirlwind tour of the Kentucky State Capitol and the Old State Capitol building with these videos and interactives from KET. See page 60.

## Colonial Williamsburg Electronic Field Trips Season 2013-2014

Grades 4-11

[history.org/trips](http://history.org/trips)

The popular field trips return this year, with three new programs exploring the three branches of the U.S. government, steam-powered warships, and a competition where students use math skills to complete tasks around Colonial Williamsburg. See page 60.

## MISSION US: A Cheyenne Odyssey

Grades 4-8

[mission-us.org/](http://mission-us.org/)

Interactive online games invite students to participate in American history. The newest mission, A Cheyenne Odyssey, focuses on Westward expansion from the perspective of one Plains Indian tribe. Players will learn about the persistence of the Cheyenne tribe amid national transformations at the end of the 19th century. See page 63.

## A State Divided: Exploring the Civil War Through Images

Grades 5-12

[KET.org/artstoolkit/statedivided](http://KET.org/artstoolkit/statedivided)

KET and the Kentucky Historical Society partnered to create this collection of 75 images relating to the Civil War in Kentucky. Each image is accompanied by background information, a statement of historical significance, discussion questions, and suggestions for use. See page 63.

## Historic Archaeology at Camp Nelson

Grades 6-12

Available on PBS LearningMedia via [KET.org/encyclomedia](http://KET.org/encyclomedia)

A look at archaeological excavations at Camp Nelson, Kentucky, which served as one of the largest enlistment sites for African-American soldiers during the Civil War, as well as a refugee camp for their families. See page 61.



# WHAT'S NEW

## KET'S ONLINE SELF-PACED MODULES

KET's online modular format enables teachers to earn professional development credit at their own pace. The modules can be used in professional learning communities and integrated into facilitated group sessions. All modules feature multiple video segments, Flash interactives, reflection questions, resources for further exploration, and quizzes. Certificates of completion are available to teachers when they complete modules successfully.

## distance learning

### Mandarin Chinese II

Grades 9-12

Available at [dl.KET.org/courses\\_chinese.htm](http://dl.KET.org/courses_chinese.htm)

Students listen, speak, read, and write Chinese through diverse activities. Simple grammatical structures are practiced in engaging ways with a variety of learning styles in mind. Students and conversation coaches engage in weekly practice sessions. Lessons in culture help students understand the context of the language. See page 71.

### Spanish I

Grades 9-12

Available at [dl.KET.org/](http://dl.KET.org/)

Spanish 1 introduces students to Spanish through common expressions, vocabulary, and grammar rules. Students practice speaking, reading, listening, and writing in Spanish, and have opportunities for authentic conversation in Spanish with a tutor. Students also learn cultural traditions, practices, and perspectives of the Spanish-speaking world. Spanish 2 will be available in 2014-15. See page 72.

## professional learning

### Education Matters

For teachers, parents, and administrators  
Streams online at [KET.org/educationmatters](http://KET.org/educationmatters)

Join host Bill Goodman, KET's public affairs reporter, for the 2013-2014 season of *Education Matters* to learn about important educational issues confronting Kentucky schools. This season includes an overview of the changing GED environment, a look at programs in place to address issues related to poverty in schools, exceptional children, and the 2014 financial aid call-in program. All past episodes are available at the program website. See page 78.

### Health Three60

For teachers, parents, and administrators  
Streams online at [KET.org/health/healththree60/](http://KET.org/health/healththree60/)

This series explores important health issues in Kentucky, presenting three sides of an issue in 60 minutes through a mix of studio and documentary segments. All past episodes are available at the program website. See page 78.

### New to Kentucky: An Overview for Incoming Teachers

For certified teachers new to Kentucky  
Online PD modules available on PBS LearningMedia  
via [KET.org/encyclomedia](http://KET.org/encyclomedia)

Created by the Educational Professional Standards Board and KET, this six-module course includes a practical guide to transferring certification as well as an overview of educational reform in Kentucky. Through video and text, the course provides a primer on teaching using the new Kentucky Academic Core Standards, classroom assessments to guide instruction, and continuous learning through professional learning communities. See page 75.





## Professional Learning for Peer Observers

For teachers

Online PD modules available on PBS LearningMedia  
via [KET.org/encyclomedia](http://KET.org/encyclomedia)

Peer observation is an important part of the Teacher Professional Growth and Effectiveness System, yet it differs from supervisor evaluations because it is a formative process — teachers receive the feedback they want and need to improve instruction using the Kentucky Adapted Framework for Teaching. This new self-paced professional development introduces teachers to the role of the peer observation within the TPGES and helps teachers learn the skills necessary to become effective peer observers. *Available fall 2013. See page 75.*

## Promoting Positive Behavior in Schools

For P-12 teachers and all personnel

Online PD modules available on PBS LearningMedia  
via [KET.org/encyclomedia](http://KET.org/encyclomedia)

This free course focuses on behavioral supports and interventions all school personnel can use to create a positive environment for teaching and learning and includes strategies for use in schools, classrooms, and with individual students. It responds to Kentucky Law 704 KAR 7:160 Use of Physical Restraint and Seclusion in Public Schools requiring all certified and non-certified school personnel in Kentucky to have annual training in the use of positive behavioral supports and interventions. *See page 75.*

## Site Based Decision Making

For new SBDM council members

Online course available at [edustore.KET.org](http://edustore.KET.org)

This course is for newly elected School-Based Decision-Making Council Members. The Kentucky Department of Education has approved the KET SBDM Course to meet the six-hour training requirement for new SBDM council members; the course facilitator, Dr. Tom Hiter. *See page 77.*

## Safe and Sound: Protecting Children from Toxic Stress

For teachers, parents, and administrators

Streams online at [KET.org/health/](http://KET.org/health/)

This KET Special Report will lay out the case for the importance of addressing the emotional and social health of children at an early age and demonstrate why it is an issue that impacts us all. Premiering early 2014, it will look at the challenges that parents face, identify where society is failing families and children, and explore what practices are underway to support families. *See page 78.*

## NEARLY NEW RESOURCES

The resources listed below became available at various times during the last two years. You'll find full descriptions of these "nearly new" series in our subject area sections.

### arts & humanities

**KET Arts Toolkit Collections (K-12)** – brings many of the video segments from KET's Arts Toolkits to PBS LearningMedia.

### science

**Everyday Science (grades PreK-2)** – short videos and interactives that encourage young children to explore their world.

### distance learning

**Arts in Culture: History and Appreciation of the Visual and Performing Arts (grades 9-12)** – online arts and humanities survey course

**Mandarin Chinese I (grades 9-12)** – students listen, speak, read and write Chinese through diverse activities.

### professional learning

**Integrated Teaching** – focuses on bringing social studies and arts together in the classroom.

**Literacy Central** – video and text resources to assist school literacy teams in developing and implementing effective literacy instruction.

**Well Fed: Nourishing Our Children for a Lifetime** – explores how parents, schools, and communities can provide children with the best nutrition possible.

### GED® preparation

**Geometry PD Online Course** – helps adult education teachers review and build geometry and teaching skills.

**Teaching Strategies** – demonstrates effective adult education-teaching techniques in real classroom settings.

**WorkKeys® Preparation** – multimedia collections for adult learners.

**Tech Teaching Tips** – monthly e-newsletter for adult educators.

## KET: Your partner in blended learning

KET is home to innovative, technology-based learning experiences that help Kentucky students succeed in a rapidly evolving world. We're all about easy-to-use, accessible resources and services that encourage critical thinking, creativity, communication, and collaboration. Whether you're looking for online classroom and professional development materials or interested in face-to-face workshops and consultations, you can count on KET to help!

### Explore our rich collections of digital resources for teachers and students.

KET offers easy access to thousands of online videos, programs, images, audio files, and teaching materials that can be incorporated into lessons, presentations, and reports. Whether you're an early childhood professional, a K-12 or preservice teacher, or an adult educator, you can rely on KET to provide high-quality multimedia resources that meet your needs and those of your students.

### Take advantage of our outstanding professional development, including self-paced lessons and modules.

KET partners with the Kentucky Department of Education and other agencies and organizations to offer online, standards-based professional development that meets your needs, when you need it.

### Enroll students in KET Distance Learning courses or use online Distance Learning resources to complement and enhance your instruction.

KET offers courses in Chinese, German, Latin, Spanish, humanities, and physics that provide engaging, rigorous multimedia learning experiences for students. See page 70 of this book, or visit [dl.KET.org](http://dl.KET.org) to explore these courses as well as other instructional resources developed by our Distance Learning teachers.

### Participate in our hands-on workshops for teachers and students.

The KET Media Lab in Lexington provides year-round opportunities to learn about technology resources, multimedia production, and more. Add to that the yearly KET Multimedia PD Event and our onsite workshops and conference presentations throughout the state, and you'll discover that KET is always ready to step in and help you master the new blended learning environment.

## Kentucky iTunes U



KET has partnered with the Kentucky Department of Education and the University of Kentucky P-20 Innovations Lab to create a collection of videos, documents, and other resources on iTunes U.

To access this service, you'll need iTunes installed on your device. Go to iTunes U and select K-12 from the menu items on the right. You'll see an alphabetical list of collections. Click on Kentucky, and you're there.

You can subscribe to have iTunes U programs sent directly to your device. As time goes on, more and more assets will be added, so keep checking to see what's new.

Check out the KET Education Newsletter, mailed monthly to all Kentucky schools and posted at [KET.org/education](http://KET.org/education), for information about new programming, new web resources, and special events. You can also get updates about KET resources and services by signing up for Classroom e-News at [KET.org/education](http://KET.org/education).



Go to [KET.org/encyclomedia](http://KET.org/encyclomedia) for easy access to thousands of searchable, standards-aligned educational resources on **PBS LearningMedia**, **Discovery Education**, and **KET ED On Demand**. For help, check out the FAQs, or ask your KET education consultant for assistance. See page 5 for contact information.



KET, along with WGBH Boston, WNET.org, and other public broadcasters nationwide, is a contributing partner in **PBS LearningMedia**, a free, searchable repository of over 30,000 high-quality classroom and professional development resources, all aligned with content standards. Other contributors include NASA, the National Archives, the Library of Congress, Annenberg Learner, and more.

PBS LearningMedia is available to public and private schools, colleges and universities, homeschoolers, and educational agencies and organizations.

Please note: PBS LearningMedia now hosts all the resources and collections formerly available on KET Teachers' Domain, including those created by KET for PreK-12 and adult education and those created by WGBH, WNET, and other national producers.

**Accessing PBS LearningMedia:** Go to KET EncycloMedia to select and register your PBS LearningMedia name and password. Once you're logged in, search for resources by keyword, content area, grade level, and standard. You also can access Special Collections as well as Professional Learning courses, workshops, and resources.



In partnership with the Kentucky Department of Education, KET provides **Discovery Education** to teachers, administrators, and students at Kentucky PreK-12 public schools and colleges of education. Discovery offers you and your students more than 125,000 multimedia learning objects that help bring 21st-century learning into your classroom.

**Accessing Discovery Education:** Go to KET EncycloMedia. If you are a registered user, log in with your user name and password. If you're a new user, you must request a passcode

from your school or district KET EncycloMedia administrator (usually the media specialist or DTC/CIO). That allows you to create a user name and password. Once logged in, you can search for instructional content and access features such as the Teacher Center.

**Student Access:** You also can create logins that allow your students to access media, but not teacher or administrative areas. Contact your KET education consultant for instructions and tips on creating student accounts (see page 5 for contact information).



**KET ED On Demand** offers streamed instructional programs and series in all curriculum areas—whenever it works for you. It includes KET-produced programs like *DanceSense*, *Telling Tales*, *Street Skills*, and *¡Arte y mas!* You'll find descriptions of all KET ED programs in this book.

**Accessing KET ED On Demand:** Go to KET EncycloMedia to begin your search for instructional programs by content area or grade level. Once you select a program or series, you'll go to a description that includes correlations with Kentucky academic standards.

KET ED On Demand can be accessed from any location, at home or at school

**Broadcast options:** KET is no longer broadcasting KET ED On Demand block feeds on KET KY, the Kentucky Channel. However, schools that want to record a KET ED program or series off air may contact Allison NeCamp at [anecamp@ket.org](mailto:anecamp@ket.org) or Brian Spellman at [bspellman@ket.org](mailto:bspellman@ket.org) to request a special block feed. In most instances, the block feed can be scheduled within a month to six weeks of the request.

## PBS Kids: Educational games, videos, and activities!

PBS Kids is a wonderful resource to incorporate into PreK-5th grade classrooms. These sites offer video clips, games, and print materials for your students; and all have companion sites with activities, lesson plans, episode descriptions, and more for teachers and parents.

### The Cat in the Hat

PreK  
[pbskids.org/catinthehat/](http://pbskids.org/catinthehat/)



Preschoolers learn about the natural world as they go on adventures with six-year-old Sally and Nick and their guide, the Cat. In addition to full episodes and clips, this website features games such as “Thing 1 & Thing 2 Weather Transformer,” which helps students learn how weather and temperature changes affect the environment.

### Dinosaur Train

PreK  
[pbskids.org/dinosaurtrain/](http://pbskids.org/dinosaurtrain/)



Students learn about prehistoric creatures as they tag along with Buddy, the T. Rex, and a Pteranodon family. This site offers many science and math resources, including a Field Guide with dinosaur name pronunciations; what they ate, their size, and more; and “How Big Are You?,” an interactive game that teaches measurement by comparing dinosaurs to modern animals.

### Daniel Tiger’s Neighborhood

PreK  
[pbskids.org/daniel/](http://pbskids.org/daniel/)



Building on the classic series *Mister Rogers’ Neighborhood*, this series helps preschoolers learn important social skills with Daniel’s friends Owl, Katerina Kittycat, Prince Wednesday, and Miss Elaina. The website features practical living and health related activities for the youngest students including “Daniel’s Bedtime” where students can help Daniel get to sleep, and “In My Bathroom” which allows kids to practice bathroom routines.

### Peg + Cat

PreK  
[pbskids.org/peg/](http://pbskids.org/peg/)



A new animated preschool series premiering Fall 2013, *Peg + Cat*, follows the adorable, spirited Peg and her sidekick Cat as they embark on adventures and learn foundational math concepts and skills. *Peg + Cat* is a new way for young viewers to experience math through relatable, and often hilarious, adventures. The website will also feature new, colorful games perfect for young math students.

## PBS PARENTS

PBS Parents ([pbs.org/parents/](http://pbs.org/parents/)) features companion websites for many of your favorite PBS Kids series. You’ll find lesson plans; detailed descriptions of episodes, characters, and the games and interactives available to students; and activities for children that can be used at school or at home. PBS Parents also supplies ideas for children’s parties, recipes, crafts, printables, expert tips, and much more!

### Sid the Science Kid

PreK  
[pbskids.org/sid/](http://pbskids.org/sid/)



Sid, an inquisitive five-year-old, helps preschoolers answer “Why?” questions about science. Games allow children to learn about patterns, matching, sorting, weather, gardening, and more! Kids can also get an up-close look at Sid’s collection jar and print games, puzzles, and coloring pages from Sid’s Funbook.

## The Electric Company

Grades 1-4  
[pbskids.org/electriccompany/](http://pbskids.org/electriccompany/)



Like the original, this series draws from pop culture while showing students that learning to read can be fun. In addition to lots of games, the website features music videos and video clips that incorporate current day artists and performers while covering vocabulary, grammar, and language arts concepts.

## Chuck Vanderchuck's "Something Something" Explosion

Grades 1-4  
[pbskids.org/chuck/](http://pbskids.org/chuck/)



Each short video in this web-only series features Chuck Vanderchuck and his friend Ramona teaching about a different musical style, including salsa, jazz, rock, country, and reggae. After viewing, students can learn to perform the basics of each style through interactive games that also allow them to identify instruments, write lyrics, create costumes, and more!

## Fizzy's Lunch Lab

Grades 1-5  
[pbskids.org/lunchlab/](http://pbskids.org/lunchlab/)



One of PBS Kids GO!'s web-only series, *Fizzy's Lunch Lab* teaches students the importance of good nutrition, a balanced diet, and physical activity. Students can experiment in the lunch lab with videos, games, and music. Best of all is the database with tons of food facts and kid-friendly recipes to get children cooking. Yum!

## Webonauts Internet Academy

Grades 3-5  
[pbskids.org/webonauts/](http://pbskids.org/webonauts/)



This game teaches students what it means to be a good digital citizen while still having fun. After being recruited into the Webonauts Internet Academy, players complete missions related to issues important to good citizenship: identity, privacy, credibility, and web safety. Visit the Webonauts' Parents & Teachers section for tips on how to get students talking about what they've learned after they play the game.

## Oh Noah

Grades 1-3  
[pbskids.org/noah/](http://pbskids.org/noah/)



In this colorful, web-only series designed to teach Spanish to young students, nine-year-old Noah is visiting his grandmother where no one speaks English. The site, which uses interactive videos to teach the language, is fun for all ages. Each webisode has two opportunities for students to pause and play a matching game to check their vocabulary acquisition.

## Wild Kratts

Grades 1-3  
[pbskids.org/wildkratts/](http://pbskids.org/wildkratts/)



This series takes students on adventures with the Kratt Brothers to learn about wild animals in habitats around the world. On the website, students play games in which they take on the role of animals. For example, in "Firefly Flash," they learn to communicate with other fireflies by memorizing flash codes; and in "Go Nuts!," they become squirrels challenged to collect and bury acorns.

You can also find these and many more popular resources on PBS Kids: *Arthur*, *Barney and Friends*, *Between the Lions*, *Caillou*, *Clifford the Big Red Dog*, *Curious George*, *Cyberchase*, *Design Squad Nation*, *Eeko World*, *FETCH! With Ruff Ruffman*, *It's My Life*, *Mama Mirabelle's Home Movies*, *Martha Speaks*, *Maya & Miguel*, *Mister Rogers' Neighborhood*, *SciGirls*, *Sesame Street*, *Super Why!*, *Webonauts*, *Wilson & Ditch*, *WordGirl*, *WordWorld*, and *ZOOM*.

## multimedia production and use

KET strongly believes in the power of multimedia to motivate, to deepen content understanding, and to provide real-world experiences and skills that prepare students for college and careers.

To assist you in integrating multimedia technologies into your classroom, KET offers a wide selection of resources and services including face-to-face training, online information, and opportunities for sharing creative work. We're always available to help you and your students learn about using and creating multimedia.

### Join us for KET Multimedia Professional Development Days.

Every summer, KET hosts a two-day event for teachers and administrators interested in learning more about multimedia and its instructional uses. Participants can register for one or both dates and attend up to four workshops each day on video production, digital storytelling, software applications, and more.

All KET Multimedia workshops are approved by the Kentucky Department of Education for professional development or EILA credit. Workshop presenters include KET staff as well as instructional technology experts from school districts, colleges, and KDE.

Look for information about registering for the 2014 KET Multimedia Days at [KET.org/education](http://KET.org/education) beginning in March 2014.

### Take a workshop in the KET Media Lab

Through a generous grant from AT&T, KET now offers workshops for educators, students, and community members in the KET Media Lab at the KET Network Center in Lexington. If your school's distance from KET presents a challenge, our education consultants also will work with you to arrange onsite trainings for teachers and students.

KET Media Lab workshops provide laptops, camcorders, and digital cameras for participant use. Because the workshops are hands-on and in-depth, they are limited to 24 participants. You'll find a current workshop schedule, with detailed descriptions, at the project website [KET.org/education/medialab.htm](http://KET.org/education/medialab.htm).

To set up a workshop—including a "Design Your Own" option—contact Jeff Gray at 1-800-432-0951, ext. 7263 or email him at [jgray@ket.org](mailto:jgray@ket.org). If you're interested in bringing a student group during school-day hours, you can also arrange for students to have a tour of the KET facility. For more information about the KET Media Lab see page 17.





## Visit MediaWorks: Multimedia Gear and Methods.

KET's MediaWorks blog keeps you informed about multimedia equipment, instruction, resources, and related news. Jeff Gray (jgray@ket.org) is the force behind **MediaWorks**, but he gets help from KET video production, web, and education staff, who write occasional pieces for the blog and reply to message posts. And educators are encouraged to comment on **MediaWorks** and add information of their own to the blog.

There's more information about using KET multimedia resources on our education consultant blogs: ClassSync, North by Northeast, and Networking. Check out all KET blogs at [KET.org/education](http://KET.org/education).

## Participate in the School Video Project

The School Video Project allows teachers to upload student videos at [KET.org/education/video\\_project.htm](http://KET.org/education/video_project.htm).

We're looking for videos that Kentucky K-12 students have produced in their classes, organizations, or clubs. Those videos could include school news programs, documentaries, art or music videos, tutorials, PSAs—the only limit is your students' imaginations.

Getting videos on KET is an easy process. When you upload a video to the site, KET checks its technical quality and content. After approval, you'll receive an email announcing that your student's video can be seen online.

You can view all the videos at the site, making it easy for students and teachers to share with friends, family, and schools. It's also easy to link to a video from a student project or a classroom lesson.

## REEL VISIONS: SPOTLIGHT ON KENTUCKY FILMMAKERS

This ongoing KET KY series highlighting the work of Kentucky filmmakers provides another way to share creative work through KET. Each season features a variety of experimental, documentary, and narrative films ranging from one minute to 25 minutes in length. Any Kentucky filmmaker—including students and teachers—is welcome to submit work for consideration.

Learn more at [KET.org/reelvisions](http://KET.org/reelvisions)



## FOLLOW US ON TWITTER

Need information on the newest classroom resources? Want to hear the latest about education trends? The KET Education division is on Twitter! Follow us @EducationKET!

We use Twitter to let our followers know about contests, conferences, and programs of interest. Followers will also be the first to know when new resources debut on KET EncycloMedia.

For even more education information follow some of our KET Education Consultants: Brian Spellman @brian\_spellmanKET, Amy Grant @AmyGrantKET, and Helen Morrison @Helen\_KET. The KET Arts division is there, too, @ArtsKET

## KET workshops

Whether you need up-to-date information about KET resources or ideas for using multimedia technology, KET's free workshops can help. You can register for a scheduled training at the KET Media Lab in Lexington, set up a Media Lab workshop at your convenience, or arrange an onsite workshop for educators or students at your school.

KET workshops support Kentucky and national academic standards and are approved by the Kentucky Department of Education for professional development credit and usually for EILA credit as well. Many KET workshops address 21st-century students and classrooms by incorporating social media and current ISTE standards.

## in school workshops

*Contact your education consultant to schedule a free workshop at your school. See page 5 for contact information or call us at (800) 432-0951, ext. 7261.*

### Enhance Your PLC with Teacher-Directed PD

Engage your teachers in high-quality professional development and enhance their PLC experience with free online media. Discover how to integrate resources from *Teaching Channel's* targeted professional learning resources and incorporate KET produced resources such as *Literacy Central*, *Characteristics of Highly Effective Teaching and Learning* and *Unbridled Learning* resources produced in partnership with the Kentucky Department of Education, which provide self-paced professional development learning opportunities. Also learn how to use collaboration tools within Discovery Education and PBS LearningMedia that allow teachers to easily share instructional resources to maximize their students' learning.

### Energize Student Learning with KET

Discover the many engaging and fun student interactives from PBS LearningMedia and Discovery Education. In this training, we will explore interactives that involve critical thinking, such as re-roofing a house, preparing recipes for dinner parties, creating roller coasters for an amusement park, and much more.

### Video Production

This hands-on workshop for teachers and students—which can be tailored for any content area—introduces basic video production, from planning, scriptwriting, and interviewing to audio, lighting, and shot composition. The teacher version also explores how media production promotes critical thinking skills and extends learning.

### MISSION US

Learn how to incorporate these free role-playing American history games for grades 5-8—one set in pre-Revolutionary War Boston, one featuring a Kentucky girl who flees slavery via the Underground Railroad, and one about the effects of Westward expansion from the perspective of a Plains Indian tribe into your instruction.

### Arts Across the Curriculum

Learn about KET's arts resources—including the Arts Toolkits, *A State Divided: Exploring the Civil War Through Images*, and more—and how they can help your school meet Program Review criteria. The workshop can be adapted for arts specialists or for teachers seeking to integrate the arts into other content areas.

### Transform Your Classroom with KET's Digital Resources

Are you looking for novel, relevant, and free media to engage and inspire your students? In this workshop, we will explore Discovery Education, PBS LearningMedia, and KET ED On Demand and learn about the engaging content-aligned multimedia resources they offer for digital learners and teachers.





## KET Media Lab workshops

When you participate in KET Media Lab workshops, you can learn how to...

- Start or update a school news program.
- Produce easy digital-storytelling projects.
- Create greenscreen effects that put student reporters in front of images from any time or place in history.
- Use iPads, iPhones, and apps to make instructional multimedia resources in half the time needed for PC-based projects—and for a lot less money.

For more information, visit the Media Lab website at [www.ket.org/education/medialab/](http://www.ket.org/education/medialab/). You also can contact Jeff Gray at 1-800-432-0951, ext. 7263 or email him at [jgray@ket.org](mailto:jgray@ket.org) to request a workshop or set up a customized workshop for teachers or a school-day workshop for students. And please consider combining a student workshop with a tour of the KET facility.

### Media Lab workshops...

- Provide PC laptops, iPads, software, camcorders, and digital cameras for participant use.
- Are free to Kentucky public and private schools, home schools, community service organizations, and government offices.
- Support Kentucky and national academic standards as well as ISTE and national technology standards.

### NEW KET Media Lab Workshops

- iPads, iPhones, and Apps for Video Production: Recording and Editing Projects
- iPads, iPhones, and Apps for Video Production: Easy Digital Storytelling Projects
- iPads, iPhones, and Apps for Video Production: Greenscreen Effects for Video Projects

### Coming Soon

- iPads, iPhones, and Apps: Animation Project Resources
- iPads, iPhones, and Apps: Art and Music Project Resources

The KET Media Lab was made possible through a generous grant from AT&T.



## TOUR OF KET

Come to KET's Lexington facility for a guided tour of our high-definition broadcast network. KET staff will introduce students and teachers to the production process, new technologies, and careers in broadcasting. To schedule a tour, contact Deborah Harris at [dharris@ket.org](mailto:dharris@ket.org) or 800-432-0951, ext. 7136. The tours last about 90 minutes.

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◆ **CYNTHIA'S PICKS: ARTS & HUMANITIES**

- ◆ *New or Revised for 2013/2014*

**How to Access Resources**

With a few exceptions, most resources listed in this section are available either at PBS LearningMedia or KET ED On Demand, which are both offered via KET EncycloMedia (KET.org/encyclomedia). Instructions for accessing these services are on pages 10-11.

**ARTS TOOLKIT***Multimedia materials for teaching with the arts*

Grade Levels:	Primary-12
Price:	\$99 + \$8 shipping with discounts available for multiple orders; \$50 + shipping for e-edition of the Visual Arts Toolkit (see individual descriptions for complete contents)
To Order:	Visit website or call 1-800-945-9167
Website:	KET.org/artstoolkit

KET's award-winning Arts Toolkits are high quality K-12 resources aligned to Kentucky's arts and humanities standards. These multimedia resources offer a wealth of video segments, lesson plans, ideas, and other resources for teaching the arts, incorporating the arts across the curriculum, and implementing an arts program that will meet Program Review quality criteria. The Arts Toolkit website, KET.org/artstoolkit, offers additional lesson plans and resources, online video, and special features.

**DANCE Toolkit (2nd Edition)***Dance performances and demonstrations from around the world*

Website:	KET.org/artstoolkit/dance
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**Five Dance Arts Toolkit DVDs.** The KET Dance Toolkit DVDs offer more than 12 hours—over 160 segments—of performances, commentary, and demonstrations. DVD titles and descriptions:

- ◆ **Dance Toolkit DVD in four sections:** The African Root (background and demonstrations of West African and Afro-Cuban dance); Dances from Many Cultures (background and demonstrations of seven folk dances from various cultures); Teaching Creative Dance (four model lessons); and Dance Performances (examples of African, modern dance, jazz dance, tap, clogging, flamenco, and ballet).
- ◆ **DanceSense Enhanced:** Chaptered version of the complete *DanceSense* series, along with a video dance history and additional segments.
- ◆ **Dances of the Americas:** Information about and performances of dances from the White Mountain Apache, Navajo, Git Hoan, Cherokee, Mohawk, and Totonac nations as well as capoeira from Brazil; the Argentine tango; and the salsa from Latin America.
- ◆ **Dances of the World:** Information about and performances of African dances from Nigeria, Togo, and the Ivory Coast; the Bharatanatyam of India; the Chinese Fan Dance and Sword Dance; Tarantella from Italy; and African-American stepping.



- **Dance Onstage:** Examples of ballet, modern dance, and jazz as well as a behind-the-scenes visit with the acclaimed American dancer Jacques d'Amboise to see him work with Lexington area dancers.

**The World of Dance CD-ROM.** This interdisciplinary CD-ROM takes students on a tour of the dance and music of 39 countries around the world as well as selected cities/regions of the United States.

The Dance Toolkit also contains a binder full of lesson plans and informative materials, a set of Dance Idea Cards (mini-lessons and at-a-glance ideas), and a Dancing Through Time poster. The Dance section of the Arts Toolkit website ([KET.org/artstoolkit/dance](http://KET.org/artstoolkit/dance)) offers additional lesson plans and idea cards, video previews, a Kentuckians in Dance career feature, and other resources.

## DRAMA Toolkit (2nd Edition)

### NETA BEST OF THE BEST AWARD

Website: [KET.org/artstoolkit/drama](http://KET.org/artstoolkit/drama)

#### CONTENTS

**Two Drama Arts Toolkit DVDs.** The KET Drama Toolkit DVDs provide nearly 80 segments—or eight hours—of video featuring historical and cultural information, artist interviews, and performance excerpts. DVD titles and descriptions:

- **Drama Toolkit DVD in four sections:** About Drama (History of Theater, Introduction to Greek Drama, segments on the creative process, and a chaptered version of the *Electronic Field Trip to Horse Cave Theater*); Kabuki (in-depth exploration of the Japanese art form); Performance Excerpts; and Storytelling Sampler.
- **Aspects of Drama:** Creative dramatics exercises; excerpts from *Liz's Circus Story*; information and play excerpts representing various cultures, periods, and styles; drama excerpts for cross-curricular applications; and a chaptered version of the *Electronic Field Trip to the Kentucky Center for the Arts*.

**From Page to Stage CD-ROM.** Produced in partnership with Stage One, this CD-ROM explores the collaborative process of theater.

The Drama Toolkit also contains a binder full of lesson plans and informative materials, a set of Drama Idea Cards (mini-lessons and at-a-glance ideas), and The World's Stage poster. The Drama section of the Arts Toolkit website ([KET.org/artstoolkit/drama](http://KET.org/artstoolkit/drama)) offers additional lesson plans and idea cards, video previews, and special features that include a Tour of the Stage, the Shakespeare feature Will Power, and a Kentuckians in Drama career feature.

## MUSIC Toolkit

*Resources for making and appreciating music*

Website: [KET.org/artstoolkit/music](http://KET.org/artstoolkit/music)

#### CONTENTS

**Three Music Arts Toolkit DVDs.** Enjoy 12 hours—over 150 segments—of performances, commentary, and demonstrations. DVD titles and descriptions:

- **Doorways to Music:** Sampler of traditional music representing various cultures and styles, music basics, and profiles of student and professional musicians.
- **Music Through Time:** Music performances and commentary correlated to music periods from the Medieval Period and the Renaissance to contemporary American music.
- **Music Around the World:** Demonstrations of world instruments; commentary and performances of music from Africa, Asia, the Middle East, Europe, South America, and North America with a special focus on cultures and styles of music from the United States.

**World of Music CD-ROM.** This interactive CD-ROM includes lesson plans, and music and social studies information about countries around the world.

The KET Music Toolkit also contains a binder full of lesson plans, a set of Music Idea Cards (mini-lessons and at-a-glance ideas), and a set of 10 posters illustrating music periods and the big ideas of the Program of Studies. The Music section of the Arts Toolkit website ([KET.org/artstoolkit/music](http://KET.org/artstoolkit/music)) offers additional lesson plans and idea cards, video previews, a Kentuckians in Music career feature, and other resources.

## VISUAL ARTS Toolkit

*Available in two editions — printed or e-Edition*

### NETA BEST INSTRUCTIONAL PRODUCT

Website: [KET.org/artstoolkit/visual](http://KET.org/artstoolkit/visual)

Both editions of the Visual Arts Toolkits—printed and the new e-edition—include the following resources:

#### CONTENTS

**Two Visual Arts Toolkit DVDs.** The KET Visual Arts Toolkit's 72 video segments (eight hours total) introduce students to Kentucky artists working in a variety of media, show them how to create works of art, and help them look at and respond to works of art. DVD titles and descriptions:

- **Visual Arts Toolkit DVD in four sections:** Responding to Art (review of the elements and principles, tips on how to “read” a work of art, and insights into artists and artworks); Visual Arts and Culture (traditional arts of China, Native American cultures, West Africa, India, and the United States); Through Artists' Eyes (explores the creative process of a variety of Kentucky artists); and a chaptered version of the *Electronic Field Trip to The Speed Art Museum*.

- **Spectrum of Art in five sections:** Making Art (arts project demonstrations); Subject Matter and Genres (excerpts from *Looking at Painting* exploring techniques and ideas of Kentucky painters); and artist profiles in three areas—2D Media/Processes, 3D Media/Processes, and Folk/Traditional Arts.

**Kentucky Virtual Art Museum on CD-ROM.** This unique resource includes images of more than 250 artworks from 20 Kentucky museums—from Old Masters to contemporary works, cultural artifacts to Kentucky folk arts and crafts. A special gallery spotlights examples of art created by children out of found materials.

**Lesson Plans and Informational Resources.** Find information, guides, and lesson plans in two versions—PDF format on a Visual Arts Toolkit flash drive (you will get a price break on this new e-edition) or printed and organized in a binder (limited quantities available).

**BONUS FEATURES.** The new e-edition includes Social Studies and World Languages Connections, a guide to using images across the curriculum, and a new collection of images for classroom use.

The Visual Arts section of the Arts Toolkit website ([KET.org/arts/toolkit/visual](http://KET.org/arts/toolkit/visual)) offers additional lesson plans and idea cards, video previews, and special features that include an online version of the Kentucky Virtual Art Museum with works by Kentucky students and teachers and a Kentuckians in Visual Arts career feature.

## KET Arts Toolkit Collections

*Bringing together the arts and social studies*

Grade Levels: K-12  
 Accessible Online: PBS LearningMedia  
 via [KET.org/encyclomedia](http://KET.org/encyclomedia)

Some of the outstanding resources found in the KET Arts Toolkits are now available as special collections. These video segments are accompanied by background essays, discussion questions, and activity ideas. In some cases new video has been added.

### COLLECTION TITLES

1. **Native American Culture** (see page 22)
2. **African/African-American Culture** (see page 21)
3. **Arts in the Renaissance** (see page 21)
4. **Japanese Culture** (see page 22)
5. **The Civil War Era** (see page 22)
6. **Drama Based on Historical Characters** (see page 21)
7. **Early America** (see page 23)
8. **Kentucky Appalachian Culture** (see page 22)
9. **Integrated Teaching** (see page 27)

## MORE DANCE

*Fit Kids Classroom Workout* gets your students up and dancing! See page 47.

Meet dancer Wendy Whelan in a recent *Kentucky Muse* documentary. See page 22.

Find classroom ideas and lesson plans using resources from the Dance Toolkit at [KET.org/artstoolkit/dance](http://KET.org/artstoolkit/dance).

## Arts and Culture iBook

*A visual arts toolkit for iDevices*

Grade Levels: K-12  
 Accessible Online: iBooks via [iTunes.com/iBooks](http://iTunes.com/iBooks)

The Arts & Culture section of the Visual Arts Toolkit is now available as a free iBook, in full color and with embedded video.

## A World of Music

*Now available on the Arts Toolkit website*

Grade Levels: K-12  
 Website: [KET.org/artstoolkit/wom/index.htm](http://KET.org/artstoolkit/wom/index.htm)

Originally released as a CD-ROM within the KET Music Arts Toolkit, this resource includes social studies/music information about countries around the world and PDFs of Lesson Plans from the Music Arts Toolkit.

## World of Dance and Music

*Now available on the Arts Toolkit website*

Grade Levels: K-12  
 Website: [KET.org/artstoolkit/wodm/index.htm](http://KET.org/artstoolkit/wodm/index.htm)

Originally released as a CD-ROM within the Dance Arts Toolkit, this resource includes social studies/dance and music information about countries around the world.

## dance

### DanceSense

*Understanding dance elements, styles, and history*

Grade Levels: 5-10  
 Program Length: 15 minutes  
 Streams Online: KET ED On Demand via  
[KET.org/encyclomedia](http://KET.org/encyclomedia)

Explore why people dance, the elements of dance, dance styles, dance in a multicultural and historical context, and dance as an art form through performance, archival photographs and footage, and interviews.

### PROGRAM TITLES

1. **Understanding Dance**
2. **The Dance of Culture**
3. **Dance in America**
4. **The Elements of Dance**
5. **The Moving Body**
6. **Making Dance**
7. **Ballet**
8. **Modern Dance**
9. **Jazz Dance**
10. **Tap and Percussive Dance**

A chaptered DVD version of *DanceSense* includes bonus video segments and classroom resources and is available in the Dance Toolkit.

# Dancing Threads: Community Dances from Africa to Zuni

*Traditional folk dances from various cultures*

Grade Levels: Primary-8  
Program Length: 30 minutes  
Streams Online: KET ED On Demand and Discovery via  
KET.org/encyclomedia

Step-by-step instructions, plus student performances and interviews, teach students traditional Appalachian, African-American, and Native American dances and “play party games,” involving patterns of singing, dancing, poetry, mimicry, and play-acting.

## PROGRAM TITLES

1. Goin’ to Boston
2. Little Johnny Brown
3. Weevily Wheat
4. Zuni Harvest Dances



## drama/theater

### Drama Based on Historical Characters

*Reenactments of historical events and speeches*

Grade Levels: 4-12  
Accessible Online: PBS LearningMedia via  
KET.org/encyclomedia

This collection features five dramatic video segments based on historical characters including Jemima Boone, daughter of Daniel Boone; Henry Clay; George Rogers Clark and his siblings; and Angus Augustus Burleigh, an enslaved man who fought for the Union army.

### Liz’s Circus Story

**NETA AWARD WINNER**

*An autobiographical one-woman play*

Grade Levels: 6-12  
Program Length: 60 minutes (easily segmented for classroom use)  
Streams Online: KET ED On Demand via  
KET.org/encyclomedia  
Website: KET.org/circusstory

This one-woman play spanning 23 years begins when Kentuckian Liz Bussey Fentress is a 21-year-old theater graduate hired as ring-mistress, organist, and puppeteer for a one-ring circus. It illuminates the circus’s trials and triumphs as well as Liz’s own efforts to pursue her dream of working in theater. The website offers ideas for transforming a play into a television program as well as activities and production advice for students.

*This program has been flagged for content and/or language. KET strongly encourages teachers to preview this program.*

## multi arts

### African/African-American Culture

*Music, dance and storytelling from African cultures*

Grade Levels: K-12  
Accessible Online: PBS LearningMedia via  
KET.org/encyclomedia

This collection of African/African-American music, dance, and storytelling includes dance from the Yoruba of Nigeria; dances from Ivory Coast; African American music and dance; West African dance; music of Mali; music and dance of Togo; and a story from the Ashanti people of Ghana, West Africa.

### Arts in the Renaissance

*Scenes from Shakespeare*

Grade Levels: 9-12  
Accessible Online: PBS LearningMedia via  
KET.org/encyclomedia

This cross-curricular collection of Renaissance dance, drama, and music includes scenes from Shakespeare’s *Hamlet* and *As You Like It*; three dance segments, including a Pavane and a Bransle; and a performance of a work by Palestrina.

### Beauty of Jasmine



*A look at Chinese culture with Kentucky students*

Grade Levels: K-12  
Accessible Online: PBS LearningMedia via  
KET.org/encyclomedia and in the iBooks store

Video segments and related classroom materials showcase a variety of Chinese dance and music performances by the Lexington Chinese Music, Dance, and Art Program; Meadowthorpe Elementary; Garth Elementary; and Morton Middle School.

## MORE DRAMA

Two *Kentucky Muse* programs—“Murder, They Wrote” and “Finding Higher Ground”—explore two very different dramatic performances. See description at right.

Storytelling is a dramatic art form with deep Kentucky roots, and *Telling Tales* will introduce your students to master storytellers and give them great modules for telling their own stories. See page 39.

Learn about the Kentucky Opera and a professional theater (the Horse Cave Theatre, now defunct) through KET electronic field trips. See page 30.

Find classroom ideas and lesson plans using resources from the Drama Toolkit at [KET.org/artstoolkit/drama](http://KET.org/artstoolkit/drama).

## The Civil War Era

*Dance, music, drama, and visual arts*

Grade Levels: 5-12  
Accessible Online: PBS LearningMedia via  
[KET.org/encyclomedia](http://KET.org/encyclomedia)

Video segments in this collection include a performance of the Lancers Quadrille, a social dance; scenes from *Uncle Tom's Cabin*; a “poetic concert” from *Words Like Freedom*; “Gospel Train” performed on guitar and harmonica; and a documentary about the Battle of Perryville.

## Japanese Culture

*Aesthetics, drama, and music*

Grade Levels: 6-12  
Accessible Online: PBS LearningMedia via  
[KET.org/encyclomedia](http://KET.org/encyclomedia)

This collection explains the difference between Western and Eastern aesthetics and also includes video segments featuring a history lesson and demonstration about Japanese puppetry; a koto player; and Kabuki symbolism, makeup, and a Kabuki-style performance of scenes from Shakespeare.

## Kentucky Appalachian Culture

*Music, dance, and storytelling*

Grade Levels: K-12  
Accessible Online: PBS LearningMedia via  
[KET.org/encyclomedia](http://KET.org/encyclomedia)

This collection features the folk story “The Two Gals” told by Anndrena Belcher, as well “Goin’ to Boston,” a traditional folk dance and game that Belcher teaches to a group of children; a segment about clogging hosted by David Thurmond; and a performance of “Shady Grove/Brandyrowe” by Jean Ritchie.

## Kentucky Muse

new  
episodes!

*Contemporary artistic life in Kentucky*

Grade Levels: 9-12  
Program Length: 60 minutes (easily segmented for classroom use)  
Accessible Streams: KET ED On Demand via  
[KET.org/encyclomedia](http://KET.org/encyclomedia)  
Website: [KET.org/muse](http://KET.org/muse)

This KET series features documentaries about artists, issues, events, and places that reflect contemporary Kentuckians’ diverse and exciting artistic expression.

### PROGRAM TITLES

- 1. Master of Still Life: Mary Ann Currier** (Note: This episode has been flagged for very brief, partial nudity. Preview before using.)
- 2. Mountain Music Gatherin’**
- 3. Murder, They Wrote**
- 4. Encore Presentation: Coal Black Voices**
- 5. Encore Presentation: Ellis Wilson—So Much To Paint**
- 6. A Novel Approach** (Note: This episode deals with adult themes. Preview before using.)
- 7. Fire and Motion**
- 8. Finding Higher Ground**
- 9. Encore Presentation: Mountain Born: The Jean Ritchie Story**
- 10. Eighty-Eight Keys, Three Hundred Years**
- 11. Harry Pickens: In the Garden of Music**
- 12. Joe Molinaro: Hands in Clay**
- 13. Encore Presentation: Signature, Ed McClanahan** (Note: This episode deals with adult themes. Preview before using.)
- 14. Painting with Glass**
- 15. Harry Dean Stanton: Crossing Mulholland**
- 16. Tin Can Buddha: Shades of Blue**
- 17. Julius Friedman: Picture This**
- 18. Tracks of Imagination**
- 19. Wendy Whelan: Moments of Grace**
- 20. Frank X Walker: I Dedicate This Ride**

### NEW PROGRAMS

New programs in production will include documentaries about the Kentucky Guild of Artists and Craftsmen, Actors Theatre of Louisville, and the music group Appalatin. Short “Muse Moments” include profiles of Lexington artist Jacob Isenhour and cloud artist Berndnaut Smilde.

## Native American Culture

*Traditional and contemporary Native American culture*

Grade Levels: 5-12  
Accessible Online: PBS LearningMedia via  
[KET.org/encyclomedia](http://KET.org/encyclomedia)

This collection includes segments featuring Paula Nelson, a contemporary Cherokee singer; examples of traditional dance from the Apache, Cherokee, Git-Hoan, Navajo, and Zuni cultures; stories from Marilou Awiakta; the art of dream catchers; and the work of Truman Lowe, a contemporary visual artist.

# Winter: Season of Darkness and Light

*Holiday traditions from various cultures*

Grade Levels: 4-12  
 Program Length: 60 minutes (easily segmented for classroom use)  
 Streams Online: KET ED On Demand via  
 KET.org/encyclomedia

This KET production explores how winter celebrations in the U.S. have been changed, merged, assimilated, or forgotten over generations. Artists from across the country use music and stories to explain Hanukkah, Kwanzaa, Posadas, and European Christmas.

# World of Our Own: Kentucky Folkways

*Traditional Arts and Culture*

Grade Levels: 8-12  
 Program Length: 30 minutes (easily segmented for classroom use)  
 Streams Online: KET ED On Demand via  
 KET.org/encyclomedia  
 Website: KET.org/folkways

The rich cultural heritage of rural and urban Kentucky is highlighted in this 1998 KET production featuring Kentuckians whose work, play, art, and religious lives represent aspects of traditional culture.

**PROGRAM TITLES**

1. **Culture of Work, Part 1**
2. **Culture of Work, Part 2**
3. **Culture of Play, Part 1**
4. **Culture of Play, Part 2**
5. **Art of the Everyday, Part 1**
6. **Art of the Everyday, Part 2**
7. **Customs and Beliefs, Part 1**
8. **Customs and Beliefs, Part 2**

## music

# Early America

*Storytelling and music from early American culture*

Grade Levels: K-12  
 Accessible Online: PBS LearningMedia via  
 KET.org/encyclomedia

This collection includes several performances by traditional American music expert and musician Mike Seeger; segments about Dr. Thomas Walker and the Hensley Settlement from KET's *Kentucky Life*; and a performance of "Yankee Doodle Variations" from Saxton's Cornet Band.

# Hymnody of Earth

*The poetry of Wendell Berry set to music*

Grade Levels: 5-12  
 Program Length: 60 minutes (easily segmented for classroom use)  
 Streams Online: KET ED On Demand via  
 KET.org/encyclomedia

This KET production sets the poetry of Kentucky writer and farmer Wendell Berry to music by Malcolm Dalglish. The performance features the Bloomington Youth Chorus, the Lexington Children's Chorus, The Anglicantors, Dalglish (hammer dulcimer), and Glen Velez (percussion).

# Jubilee

*An eclectic mix of traditional and contemporary bluegrass*

Grade Levels: 6-12  
 Website: KET.org/jubilee

Performances by a wide variety of bluegrass groups showcase traditional bluegrass as well as "New Grass," a fusion of bluegrass and other musical styles.

## MORE MUSIC

Six *Kentucky Muse* episodes showcase: Kentucky music and musicians: "Mountain Music: The Jean Ritchie Story," "Mountain Music Gatherin'," and "Finding Higher Ground" (traditional); "Eighty-Eight Keys" and "Harry Pickens: In the Garden of Music" (piano); and "Tin Can Buddha: Shades of Blue" (blues). See page 22, and visit KET.org/muse for more information.

Take the KET *Electronic Field Trip to the Kentucky Opera* to see how an opera is cast, staged, and presented. See page 30 for more information.

Learn how composing music is like writing a story in the three-part KET series *Creating Stories and Music*. See page 35 for a full description.

Find classroom ideas and lesson plans using resources from the Music Toolkit at KET.org/artstoolkit/music.

## Old Music for New Ears

*Exposing elementary students to traditional music*

Grade Levels: P-8  
 Program Length: 15 minutes  
 Streams Online: KET ED On Demand via  
 KET.org/encyclomedia

This KET-produced series introduces a broad range of music (folk, blues, Cajun, traditional) and cultures (Native American, African-American, and Appalachian, among others) as well as traditional instruments such as the hammer and lap dulcimers and the jaw harp.

### PROGRAM TITLES

1. Malcolm Dalglish
2. Jean Ritchie
3. John McCutcheon
4. Sparky and Rhonda Rucker
5. Mike Seeger
6. Odetta
7. Gray Eagle Band
8. Jean Ritchie
9. Tom Bledsoe, Joy D'Elia, and Rich Kirby
10. Bob and Susie Hutchison
11. Odetta
12. The Metro Blues Trio
13. The Reel World String Band
14. Mike Seeger
15. John McCutcheon
16. Malcolm Dalglish
17. Taj Mahal
18. The Doucet Family
19. Dennis Banks
20. Paula Larke
21. The Doucet Family
22. Taj Mahal

## Richard Davis on Jazz

*History, elements, and social context of jazz*

Grade Levels: 8-12  
 Program Length: 60 minutes  
 Streams Online: KET ED On Demand via  
 KET.org/encyclomedia

This KET series, hosted by jazz musician and University of Wisconsin-Madison professor Richard Davis, introduces the elements of jazz, its history and pioneers, its instruments, and its contribution to American life and culture.

The first four programs in this series aired as live teleconferences during the 1997/98 school year.

### PROGRAM TITLES

1. Elements of Jazz and Jazz History
2. Jazz Pioneers
3. Jazz Instruments: Saxophone and Trumpet
4. Jazz and Social Protest Movements
5. Jazz and the Spiritual Experience
6. Jazz Instruments: Bass and Piano

## Sing Out for Freedom

*Music of the civil rights movement*

Grade Levels: 8-12  
 Program Length: 60 minutes  
 Streams Online: KET ED On Demand via  
 KET.org/encyclomedia

The Freedom Singers are one of the best known of the singing groups that traveled the U.S. in the 1950s and '60s spreading the civil rights message. This KET production includes highlights of the Freedom Singers' 1993 concert in Louisville as well as interviews with members about their experiences with the civil rights movement and nonviolent protest.

## visual arts

### Art History I: A Century of Modern Art

*An introduction to the works of influential modern painters*

Grade Levels: 6-12  
 Program Length: 15 minutes  
 Streams Online: KET ED On Demand via  
 KET.org/encyclomedia

These programs highlight the evolution of European and American art during the last century and gives students the the skill and information they need to recognize the works of 60 modern artists by style and subject matter.

### PROGRAM TITLES

#### European Artists

1. Impressionism
2. The Fauves
3. Expressionism
4. Cubism
5. Surrealism
6. Modern Mavericks

#### American Artists

7. American Landscapes
8. Realism
9. Abstract Expressionism
10. Pop

## MORE ARTS

KET's *Arte y Mas!* uses the arts to teach Spanish to primary students. See page 66.

Visit KET Arts at KET.org/arts regularly for arts resources and to find information related to KET and PBS arts programming.



# Art History II: A Survey of the Western World

*American and European painting and architecture*

Grade Levels: 6-12  
Program Length: 15 minutes  
Streams Online: KET ED On Demand via  
KET.org/encyclomedia

This survey of Western art connects artists' styles to the literature and history of their times and traces religious influences on art, from the Spanish Inquisition and El Greco's mysticism to the Protestant Reformation.

## PROGRAM TITLES

1. **Ash Can Plus**
2. **Cosmopolitans: Looking Toward Europe**
3. **Colonials: Realistic and Romantic**
4. **English Painting**
5. **Spain**
6. **German Painting**
7. **17th-Century Dutch Masters**
8. **Flemish Painting**
9. **Italian Renaissance Painting**
10. **Mannerism: Italy**
11. **Italian Architecture**
12. **Chateaux of the Loire**

## MORE VISUAL ARTS

*Kentucky Muse* has five programs that explore visual art and artists: "Master of Still Life: Mary Ann Currier," "Encore: Ellis Wilson—So Much To Paint," "Fire and Motion," "Joe Molinaro: Hands in Clay," and "Painting with Glass." See page 22.

Take a behind-the-scenes tour of the Speed Art Museum via a KET electronic filed trip. See page 32.

Find classroom ideas and lesson plans using resources from the Visual Arts Toolkit at [KET.org/artstoolkit/visual](http://KET.org/artstoolkit/visual).

## ONLINE GALLERIES

Check out virtual galleries at these KET websites:

Kentucky Virtual Art Museum ([KET.org/artstoolkit/visual/gallery](http://KET.org/artstoolkit/visual/gallery)): Works by Kentucky students and teachers

Joe Molinaro's ceramics ([KET.org/muse/molinaro](http://KET.org/muse/molinaro))

Ellis Wilson's paintings ([KET.org/muse/elliswilson/gallery.htm](http://KET.org/muse/elliswilson/gallery.htm))

Mary Ann Currier's paintings ([KET.org/muse/currier/currier\\_gallery.htm](http://KET.org/muse/currier/currier_gallery.htm))

*Looking at Painting* gallery ([KET.org/painting](http://KET.org/painting))

Artifacts from *Imperial China: The Art of the Horse in Chinese History* ([KET.org/artofthehorse/artifacts.htm](http://KET.org/artofthehorse/artifacts.htm))



## Crafting Tradition

*Honoring Kentucky's hand-made past*

Grade Levels: 5-12  
 Program Length: 60 minutes (easily segmented for classroom use)  
 Streams Online: KET ED On Demand and Discovery via  
 KET.org/encyclomedia

This KET documentary travels to Western Kentucky to discover how five Western Kentucky families are preserving the pioneer tradition of making baskets, fishing nets, quilts, brooms, and furniture.

## Looking at Painting

*Studio visits with 14 Kentucky painters*

Grade Levels: 7-12  
 Program Length: 60 minutes (easily segmented for classroom use)  
 Streams Online: KET ED On Demand via  
 KET.org/encyclomedia  
 Website: KET.org/painting

Artist-host Robert Tharsing introduces the art of painting and the skill of “reading” paintings through interviews with Kentucky artists, visits to their studios, and discussion of techniques, elements, and principles in selected paintings.

### PROGRAM TITLES

1. Realism
2. Expressionism
3. Abstraction

Browse the gallery at the *Looking at Painting* website KET.org/painting to see works by the featured artists. You'll also find information about artists and genres as well as materials for teachers.

## arts & humanities course resources

### Arts in Culture: History and Appreciation of the Visual and Performing Arts

*Online arts and humanities survey course*

Grade Levels: 9-12  
 Accessible Online: dl.KET.org/

This 12-unit online course, which meets the Kentucky high school graduation requirement, uses an array of multimedia resources—videos, music samples, images, readings, interactive games—to cover thousands of years of human experience in creating, performing, and responding to the arts. The course includes formative and summative assessments.

## Class Connections

*Arts and culture units*

Grade Levels: 7-12  
 Accessible Online: Discovery Education via  
 KET.org/encyclomedia  
 Website: dl.KET.org/humanities  
 DVD/Print Materials: Register at the Distance Learning website or call  
 1-800-333-9764

These seven units explore the arts and culture of various civilizations and time periods. They are excerpts from KET's Distance Learning course, *Humanities Through the Arts*, and designed for use by teachers who need humanities materials for their English, social studies, or arts classes.

## Humanities Connections

*The elements of the arts*

Grade Levels: 7-12  
 Accessible Online: Discovery Education via  
 KET.org/encyclomedia  
 Website: dl.KET.org/humanities  
 DVD/Print Materials: Register at the Distance Learning website or call  
 1-800-333-9764

Each module in this resource includes a teacher video (a collection of ideas for educators who may not be art specialists) and a student video for classroom use. Programs are segmented so teachers can choose the most appropriate sections for their students. The companion website has detailed episode summaries, vocabulary, works consulted, and a teacher response form.

## Humanities Themes

*Interrelationships among the arts*

Grade Levels: 7-12  
 Accessible Online: KET Distance Learning via  
 dl.KET.org/humanities  
 DVD/Print Materials: Register at the Distance Learning website or call  
 1-800-333-9764

This online resource, structured around the themes of “The Natural World,” “Relationships,” and “Search for Self,” provides lessons, worksheets, and hands-on arts activities spanning visual arts, music, drama, dance, and literature. Teachers who register to use *Humanities Through the Arts* will be able to use their password to access *Themes*.

## Humanities Through the Arts

*Visual arts, music, dance, theater, and literature*

Grade Levels: 7-12  
 DVD/Print Materials: Register at the Distance Learning website or call  
 1-800-333-9764

This collection of sixty-seven segmented classes survey beliefs, traditions, and customs as reflected in visual arts, music, dance, theater, and literature.

# teacher resources

## Art to Heart

*Exploring creativity and arts activities for young children*

Audience:	Professional development for teachers of infants through primary
Program Length:	30 minutes
Streams Online:	KET ED On Demand via KET.org/encyclomedia
Website:	KET.org/arttoheart

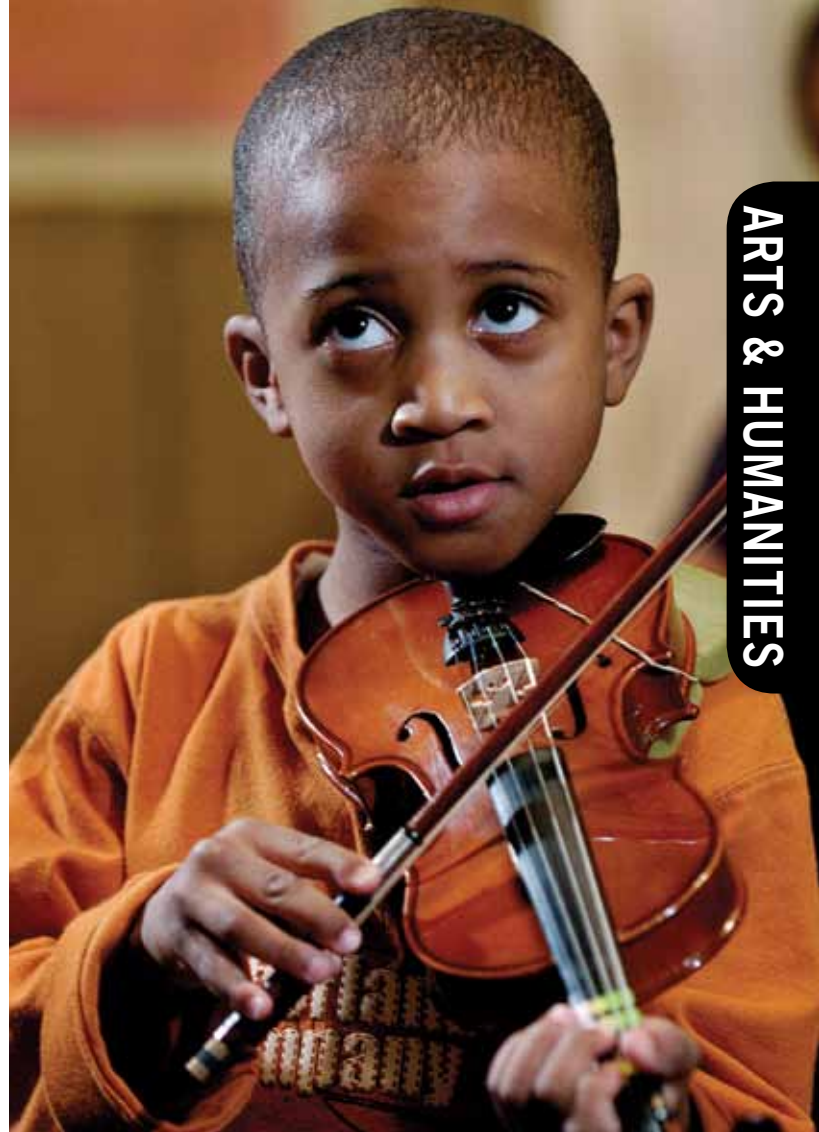
This KET series for parents and teachers explores how developmentally appropriate activities in visual arts, dance, drama, and music contribute to physical, cognitive, emotional, and social development in children from birth to age eight. Programs visit schools, childcare centers, museums, and community centers to see a wide array of arts activities.

Researchers, teachers, artists, and parents offer information and ideas about arts activities for home and school settings.

Visit the *Art to Heart* website [KET.org/arttoheart](http://KET.org/arttoheart) for additional information, teacher materials, a glossary, and a viewer's guide.

### PROGRAM TITLES

1. **Children's First Language**
2. **Visual Arts**
3. **Music**
4. **Movement & Dance**
5. **Drama & the Literary Arts**
6. **The Artful Environment**
7. **Arts for Learning**
8. **Arts Everyday**



## Integrated Teaching

*Bringing social studies and arts together in the classroom*

Grade Levels:	Professional Development for K-12
Accessible Online:	PBS LearningMedia via KET.org/encyclomedia

This collection features classroom examples that demonstrate how to integrate the arts into other content areas including an English/language arts lesson in which students create a dance based on a Native American story and a social studies lesson that uses a painting to inspire third graders to think more deeply about the Lewis and Clark expedition. Teacher guides accompany the video segments.

## Other Professional Development

Check the Professional Development section, beginning on page 74, for more opportunities in arts and humanities.

The KET Arts Toolkits—both the boxed and online versions—include lesson plans and extensive information and resources for teacher all the arts. See pages 18-20.

**Keep up to date with new arts programming, web resources, and special events by signing up for the KET Arts e-Newsletter at [KET.org/arts](http://KET.org/arts).**

# CYNTHIA'S PICKS: arts & humanities



Education consultant Cynthia Warner recommends other resources from [KET.org/encyclomedia](http://KET.org/encyclomedia).

## More About Dance

### Step Remix

This PBS LearningMedia interactive allows students to experiment with rhythm through “stepping,” a dance form that uses the body as a percussion instrument. (Grades K-12)

### World of Dance and Music

This interactive social studies/arts resource showcasing music and dance from many cultures was originally a KET Arts Toolkit CD-ROM, but it is now available as an online interactive at the KET Arts Toolkit: Dance website: [KET.org/artstoolkit/wodm/index.htm](http://KET.org/artstoolkit/wodm/index.htm). (Grades K-12)

### African/African-American Culture: Manjani

The Imani Dance and Drum Company perform the Manjani, a West African dance that celebrates an important event such as harvests (as in this performance), weddings, or naming ceremonies. This KET-produced performance segment found in PBS LearningMedia focuses on the musicians as much as the dancers, showing the important relationship between the two groups. (Grades 5-12)

## More About Drama

### Supernatural Elements in Shakespeare

In this media collection from PBS LearningMedia's *Shakespeare Uncovered*, students explore the supernatural elements within William Shakespeare's plays, focusing particularly on *Macbeth*, *Hamlet*, and *The Tempest*. Students examine supernatural beliefs during the 16th and 17th centuries and identify how supernatural elements drive the plot of many of Shakespeare's plays. Ancillary materials are included. (Grades 8-12)

### Drama Based on Historical Characters

This PBS LearningMedia collection from KET provides examples of drama based on historical characters, such as Jemima Boone, Angus Augustus Burleigh, George Rogers Clark, and Henry Clay. (Grades 4-12)

### Masterpiece

Using a treasure trove of video segments from *Masterpiece* supported by essays and teacher tips, this PBS LearningMedia collection offers innovative ways to access, understand, and analyze complex literary texts. Watching these pivotal moments from award-winning shows also helps to provide a deeper appreciation of the power of film dramatization—and the importance of becoming a critical media consumer.

## More About Music

### What Sounds Like What

These PBS LearningMedia interactives allow students to improve their instrument identification skills by picking out the instruments' sounds from an ensemble. Students advance through three levels of difficulty in interactives for the following genres: rock, reggae, blues, country, jazz, hip-hop, classical, and salsa. *What Sounds Like What* resources accompanies another collection, *Main Game*, in which students choose an instrument and play along with Chuck and Ramona from *Chuck Vanderchuck's "Something Something" Explosion*. (Grades 3-6)

### Dot Mixer

This simple, but fun, music mixer in PBS LearningMedia allows musician of all ages to mix various styles, levels, and channels. The information about sound and music included in the interactive invites more exploration. Just wish there was a record button! (Grades K-12)

### World of Music

This KET Arts Toolkit CD-ROM is now available as an online interactive at the KET Arts Toolkit: Music website: [KET.org/artstoolkit/music/](http://KET.org/artstoolkit/music/). “World of Music” is a fabulous resource that provides a music world tour plus videos and activities to explore instruments, music elements, songwriting, and more. (Grades K-12)

## More About Visual Arts

### The Creativity of Indie Video Games

This PBS LearningMedia video discusses the growing independent video game industry and how it experimentally blends animation and music with storytelling. The independent video game realm provides artists an outlet beyond the mainstream and allows gamers a deeper and more unique experience. (Grades 9-12)

### The Effect of Color

How does color influence our society, lives, and culture? This video from PBS LearningMedia explores how color, one of the fundamental elements of our existence, defines our world so universally that its effects are nearly imperceptible. Whether in the micro-sense of choosing an article of clothing, or the macro-sense of an entire culture's decades-long embrace of color trends, color helps communicate our motives and deepest feelings. (Grades 9-12)

### Arts and Artists

This Discovery Education multimedia collection explores various artists and creations throughout history. It includes teacher guides, and writing prompts that explore the question, “What is art?” (Grades 6-8)

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◆ **LARRY'S PICKS: ELECTRONIC FIELD TRIPS**

◆ *New or Revised for 2013/2014*

## How to Access Resources

With a few exceptions, most resources listed in this section are available either at PBS LearningMedia or KET ED On Demand, which are both offered via KET EncycloMedia (KET.org/encyclomedia). Instructions for accessing these services are on pages 10-11.

## Electronic Field Trip to the Aviation Museum of Kentucky

*Celebrating 100 years of flight*

Grade Levels: 3-12  
 Program Length: 15 minutes  
 Streams Online: KET ED On Demand and Discovery via [ket.org/encyclomedia](http://ket.org/encyclomedia)

This visit to the Aviation Museum at Blue Grass Airport in Lexington teaches students about aviation history, including the first Kentucky aircraft, women in aviation, and state aviation pioneers. It includes a look at the museum's annual camp for students ages 10-15. Produced 2003.

## Electronic Field Trip to a Beef Cattle Farm

*Where's the beef in Kentucky?*

Grade Levels: 4-12  
 Program Length: 60 minutes  
 Streams Online: KET ED On Demand and Discovery via [KET.org/encyclomedia](http://KET.org/encyclomedia)

Students join the Goggin family of Boyle County for a tour of their beef cattle farm. Co-produced by KET and University of Kentucky College of Agriculture, 1997. Note: This program shows real-life video of the intestines and digestive system of a cow.

## Electronic Field Trip to the Belle of Louisville

*Come on board the oldest operating paddlewheel steamboat in America!*

Grade Levels: 3-5  
 Program Length: 20 minutes  
 Streams Online: KET ED On Demand and Discovery via [KET.org/encyclomedia](http://KET.org/encyclomedia)  
 Website: [KET.org/trips/belle](http://KET.org/trips/belle)

KET takes students cruising on the Belle of Louisville, built in 1914, to learn about the history of river travel in the U.S. and to see how a steamboat operates. The interactive website for this field trip includes a virtual tour, timeline, interactive game, and teacher materials. Produced 2009.

## Electronic Field Trip to the Dentist

*Learn about dental care and hygiene*

Grade Levels: Primary  
 Program Length: 12 minutes  
 Streams Online: KET ED On Demand and Discovery via [KET.org/encyclomedia](http://KET.org/encyclomedia)  
 Website: [KET.org/trips/dentist](http://KET.org/trips/dentist)

Travel with Jeremy to a dentist's office to learn how to care for teeth and how dentists help us keep our teeth healthy. The website includes activities and ideas to reinforce the video's content. Produced 2007.

## Electronic Field Trip to the Falls of the Ohio

*Visit a fossil bed and a nature preserve*

Grade Levels: 4-12  
 Program Length: 60 minutes  
 Streams Online: KET ED On Demand and Discovery via  
[KET.org/encyclomedia](http://KET.org/encyclomedia)

Visit the Falls of the Ohio, located just beyond the Louisville skyline, one of the world's largest exposed Devonian Age fossil beds and a nature preserve that's home to 265 species of birds and 125 fish species. Produced 1999.

## Electronic Field Trip to the Forest

*A "behind the trees" look at a forest!*

Grade Levels: 4-8  
 Program Length: 3, 20 minute programs  
 Streams Online: KET ED On Demand and Discovery via  
[KET.org/encyclomedia](http://KET.org/encyclomedia)

Students learn about the history of Kentucky forests, the natural and human influences that shape the forests, and their future. Produced 2002.

## Electronic Field Trip to Fort Harrod and Fort Boonesborough

*Westward expansion and daily life in a Kentucky settlement fort*

Grade Levels: 4-8  
 Program Length: 20 minutes  
 Streams Online: KET ED On Demand and Discovery via  
[KET.org/encyclomedia](http://KET.org/encyclomedia)  
 Website: [KET.org/trips/forts](http://KET.org/trips/forts)

Through visits to these historic forts, students learn why settlers came to Kentucky, what routes they traveled, how they interacted with native peoples, and more. The website includes a virtual tour of the forts, a guessing game, and other classroom materials. Produced 2006.

## Electronic Field Trip Through Geologic Time

*Exploring layers of rock at Jenkins Pound Gap*

Grade Levels: 4-12  
 Program Length: 60 minutes  
 Streams Online: KET ED On Demand and Discovery via  
[KET.org/encyclomedia](http://KET.org/encyclomedia)

Students explore Jenkins Pound Gap in Letcher County, the first Kentucky site designated as geologically significant, and observe how layers of rock formed and moved over time, from the Devonian through the Mississippian to the Pennsylvanian Period. Produced 2000, updated 2002.

## Electronic Field Trip to Horse Cave Theatre

*First hand look at stage production*

Grade Levels: 5-12  
 Program Length: 30 minutes  
 Streams Online: KET ED On Demand and Discovery via  
[KET.org/encyclomedia](http://KET.org/encyclomedia)

Go behind the scenes at Horse Cave Theatre (now defunct) to explore what it takes to mount a theatrical production and to meet the professionals who make it possible. Produced 2002.

## Electronic Field Trip to a Horse Farm

*Daily life with Thoroughbreds*

Grade Levels: 4-12  
 Program Length: 60 minutes  
 Streams Online: KET ED On Demand and Discovery via  
[KET.org/encyclomedia](http://KET.org/encyclomedia)

Students visit Margaux Farm in Woodford County to learn what makes the Bluegrass so good for raising horses and to explore what a typical day on a horse farm is like. Co-produced by KET and University of Kentucky College of Agriculture. Produced 1996.

## Electronic Field Trip to the Kentucky Center for the Arts

*Backstage access*

Grade Levels: 6-12  
 Program Length: 60 minutes  
 Streams Online: KET ED On Demand and Discovery via  
[KET.org/encyclomedia](http://KET.org/encyclomedia)

Tour the Kentucky Center for the Arts in Louisville, Kentucky's largest performing arts space, including the Center's different theaters. Meet actors and musicians and follow a performance of *Annie* from the initial planning to the excitement of opening night. Produced 1999.

## Electronic Field Trip to the Kentucky Opera

*Perspectives/careers in opera*

Grade Levels: 6-9  
 Program Length: 30 minutes  
 Streams Online: KET ED On Demand and Discovery via  
[KET.org/encyclomedia](http://KET.org/encyclomedia)

Visit the Kentucky Opera in Louisville as the company prepares for a production of the American opera *Susannah*; and learn about the history of opera, different artistic styles, and production elements such as sets, costumes, lighting, and make-up. Produced 2000.



## Electronic Field Trip to the Louisville Zoo

### *Habitats and animal care*

Grade Levels: 4-12  
 Program Length: 60 minutes  
 Streams Online: KET ED On Demand and Discovery via  
[KET.org/encyclomedia](http://KET.org/encyclomedia)

Students go behind the scenes at the Louisville Zoo to meet a zoo veterinarian and to learn about a training program, a captive breeding project, and an innovative rotation system that moves animals among different habitats. Produced 1999.

## Electronic Field Trip to Mammoth Cave

### *Let's go spelunking!*

Grade Levels: 4-12  
 Program Length: 60 minutes  
 Streams Online: KET ED On Demand and Discovery via  
[KET.org/encyclomedia](http://KET.org/encyclomedia)

Tour the world's largest cave system with National Park Service rangers; see Frozen Niagara, blind fish, Native American artifacts, the "bottomless" pit, and unique passageways underground; and learn about careers in park service and in science. Produced 1997.

## Electronic Field Trip to the Mountain Homeplace

### *Mountain life in the 1850s*

Grade Levels: 4-12  
 Program Length: 30 minutes  
 Streams Online: KET ED On Demand and Discovery via  
[KET.org/encyclomedia](http://KET.org/encyclomedia)

Take a trip through time to this 19th-century working farm in Paintsville, Kentucky, as local author John David Preston provides a historical perspective, and re-enactors demonstrate what rural life was like from 1850-1875. Produced 1999.

## Electronic Field Trip to the National Weather Service

### *Real world applications in science and technology*

Grade Levels: 5-12  
 Program Length: 20 minutes  
 Streams Online: KET ED On Demand and Discovery via  
[KET.org/encyclomedia](http://KET.org/encyclomedia)

Students visit the Louisville office of the National Weather Service, one of three regional offices that provide services to Kentucky, and learn about careers in meteorology, forecasting technology, and weather safety. Produced 2004.

## Electronic Field Trip to an Orchard

*From planting to pruning to marketing*

Grade Levels: 4-12  
 Program Length: 40 minutes  
 Streams Online: KET ED On Demand and Discovery via  
 KET.org/encyclomedia

Visit an orchard near Somerset, Kentucky to learn about the role of honeybees in fruit production, the importance of pruning trees in winter, the amount of apples produced by one tree, the economics of operation an orchard, and the fun of picking your own apples. Produced 1999.

## Electronic Field Trip to Perryville

*Echoes of the Civil War in Kentucky*

Grade Levels: 4-12  
 Program Length: 30 minutes  
 Streams Online: KET ED On Demand and Discovery via  
 KET.org/encyclomedia

The Battle of Perryville on October 8, 1862 marked the last major attempt of the Confederate States of America to claim Kentucky. Students learn what life was like for Civil War soldiers, see war reenactments, and join an archeological dig. Produced 1999.

## Electronic Field Trip to a Pig Farm

*Daily life with pigs*

Grade Levels: 4-12  
 Program Length: 60 minutes  
 Streams Online: KET ED On Demand and Discovery via  
 KET.org/encyclomedia

Students learn what makes Kentucky so good for raising pigs and other livestock, what a day on a pig farm is like, how a veterinarian clips needle teeth, and a little about the life cycle of swine. Developed by KET, University of Kentucky College of Agriculture, and Kentucky Farm Bureau. Produced 1997.

## Electronic Field Trip to the Post Office

*A look at the postal service in action for primary students*

Grade Levels: Primary  
 Program Length: 7 minutes  
 Streams Online: KET ED On Demand and Discovery via  
 KET.org/encyclomedia

Follow the mail to post office to mailbox and see the integral part the U.S. Postal Service plays in daily life. The website offers classroom activities including a vocabulary game and fun ideas for stamps, cards, and letters. Produced 2005.

## Electronic Field Trip to the Speed Museum

*Careers in visual art*

Grade Levels: 6-12  
 Program Length: 60 minutes  
 Streams Online: KET ED On Demand and Discovery via  
 KET.org/encyclomedia

Enjoy a behind-the-scenes look at the J.B. Speed Art Museum in Louisville, Kentucky's oldest and largest art museum and learn about the many varied professions that are needed for a successful museum operation. Produced 1999.

## Electronic Field Trip to a Veterinary Clinic

*A visit to the animal doctor*

Grade Levels: 4-12  
 Program Length: 60 minutes  
 Streams Online: KET ED On Demand and Discovery via  
 KET.org/encyclomedia

Learn about the daily activities at a Jessamine County clinic where veterinarians use problem-solving techniques to diagnose their non-verbal patients in this collaboration between KET and the University of Kentucky College of Agriculture. Produced 1998.





## Electronic Field Trip to a Watershed

*We all live in a watershed*

Grade Levels: 3-5, 6-8  
Program Length: 2, 15-minute programs  
Streams Online: KET ED On Demand via  
KET.org/encyclomedia

On these two virtual trips (one for grades 3-5 and one for 6-8) to urban and rural settings in Kentucky, learn about non-point source water pollution in watersheds, areas of land that drain into common waterways, and how it can be prevented. Produced 2008.

## Electronic Field Trip to White Hall Historic Site

*Visit the home of an emancipationist*

Grade Levels: 4-12  
Program Length: 40 minutes  
Streams Online: KET ED On Demand and Discovery via  
KET.org/encyclomedia

Travel to White Hall in Madison County, home to Cassius Marcellus Clay (1810-1903), to learn about his long and varied career, including his role in the emancipation movement, and about his daughter, Laura Clay, who was active in the women's rights movement. Produced 2000.

## LARRY'S PICKS: electronic field trips



Education consultant Larry Moore recommends other resources from [KET.org/encyclomedia](http://KET.org/encyclomedia).

### On PBS LearningMedia

#### More About Agriculture

##### IFarm

Have your students view this video profiling a California pistachio farmer who developed an iPad app to improve irrigation. Then use the accompanying lesson plan, "Old MacDonald Had an iPad: Tracing Technological Innovations in Agriculture," to have students research historical and contemporary agricultural innovations. (Grades 7-13)

#### More About Arts and History

##### Gullah Music

This interactive allows students to experience the Gullah dialect and understand how music became a mode of covert communication among slaves. (Grades 3-5)

#### More About History and Civics

##### Road Trip to the White House

This interactive game requires students to answer questions based on their knowledge of foundational government principles and Presidential elections in the U.S. (Grades 6-12)

#### More About Earth and Space Science

##### Teri and Jairus: Biome Buddies

In this video segment from ZOOM, two students look at their local habitats, the Death Valley desert and the Northwest temperate rainforest, and compare and contrast some of the more interesting climatic and ecological characteristics. (Grades K-8)

#### More About Transportation

##### Railroad Museum Field Trip

All aboard this video by KidVision VPK Express! Join Penny and the kids as they explore different kinds of trains and their importance and learn the meaning of railroad safety signs and whistles. (Grades PreK-3)

##### Aviation: Alaska Native Pilots

This video, adapted from Storyknife Productions, features Alaska Native pilots sharing how they use both Western science and traditional knowledge to read the landscape and predict the weather. (Grades 3-12)

### On Discovery Education

#### More About History and Civics

##### Field Trips to Yesterday: The Road to Revolution: Historical Boston

Learn how events in Boston set the stage for revolution and independence. Students find out what Paul Revere really said (it wasn't "The British are coming, the British are coming!") plus much more in this information-packed video featuring archival material, re-enactments, and commentary. (Grades 3-8)

#### More About Earth and Space Science

##### Journey to the Extreme: Virtual Field Trip to Mars

Take students on a journey to meet the scientists, engineers, and innovators behind the Mars rover Curiosity. An astronaut and a NASA executive answer questions about the Curiosity mission, share helpful advice for those interested in NASA careers, and offer insight into the future of the space program. (Grades K-8)

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### Teacher Resources

Literacy Central  
 Literacy Leadership  
 Literacy Strategies in Action  
 Literacy Without Limits

♦ **Kathy's Picks: English/Language Arts**

♦ *New or Revised for 2013/2014*

## How to Access Resources

With a few exceptions, most resources listed in this section are available either at PBS LearningMedia or KET ED On Demand, which are both offered via KET EncycloMedia (KET.org/encyclomedia). Instructions for accessing these services are on pages 10-11.

## basic communication skills

### Cursive Handwriting Series A

*Handwriting instruction—Zaner-Bloser*

Grade Level: Primary  
 Program Length: 15 minutes  
 Streams Online: KET ED On Demand via  
 KET.org/encyclomedia

Direct instruction, letter animation, and graphics allow students to practice cursive letters and words, with specific instruction for both right- and left-handed students on correct writing techniques.

#### PROGRAM TITLES

1. Introduction
2. i, u, t
3. w, r, s
4. p, j
5. e, l, f
6. h, b, k
7. a, o
8. d, q, c, g
9. v, m, n
10. x, y, z
11. Review

### Into the Book

*Reading comprehension strategies*

Grade Level: PreK-5  
 Program Length: 15 minutes  
 Streams Online: KET ED On Demand via  
 KET.org/encyclomedia

This resource includes programs featuring ordinary students using powerful strategies that improve learning across the curriculum, plus a multimedia website with reading comprehension activities for students as well as video clips, music, lesson plans, and other materials for teachers.

#### PROGRAM TITLES

1. Using Prior Knowledge
2. Making Connections
3. Questioning
4. Visualizing
5. Inferring
6. Summarizing
7. Evaluating
8. Synthesizing
9. Using Strategies Together

# Latin Roots for English Word Power

*Latin and Greek roots for English Words*

Grade Levels: 9-12  
Length: 30 minutes  
Streams Online: KET ED On Demand via  
KET.org/encyclomedia

This series helps high school students and advanced middle schoolers improve their vocabulary-decoding skills by introducing them to basic Latin roots.

## PROGRAM TITLES

1. Overview
2. Growing Words from More Latin Roots
3. Latin in Medicine and Science
4. Legal Latin/Latin in Government
5. Latin in Daily Use
6. Wrap-Up

# writing

## Creating Stories and Music

*Exploring the connections between writing and composing*

Grade Levels: 4-5  
Length: 20-30 minutes (segmented)  
Streams Online: KET ED On Demand via  
KET.org/encyclomedia

Kentucky writer George Ella Lyon joins a composer, a conductor, and an audience of young people to discuss the common elements of both stories and compositions and to illustrate the creation of these elements through words and music.

## PROGRAM TITLES

1. Character—The Center of Attention
2. Setting the Scene
3. Conflict and Resolution



ENGLISH/LANGUAGE ARTS

# English Composition: Writing for an Audience

## Thinking and writing strategies

Grade Levels :	9-12
Length:	30 minutes
Print Materials:	Textbook \$59.95; Study Guide for Textbook \$53.95; Faculty Guide for Textbook \$29.95; Study Guide for Programs \$43.95; Faculty Guide for Programs \$29.95 (Video programs and guides can also be purchased individually.) Call 1-800-LEARNER (532-7637) for more information.
Videocassette:	Video streaming or purchase information at <a href="http://learner.org/resources/series128.html">learner.org/resources/series128.html</a>

Special Note: Odd-numbered programs cover “Thinking and Writing Strategies” and even-numbered programs cover the “Writing Process.”

### PROGRAM TITLES

1. School Writing/Real World
2. Finding Something To Say
3. Description
4. Reading as a Writer
5. Narrative Writing
6. Voice
7. Process Analysis
8. Revision
9. Writing Under Pressure
10. Freewriting and Generating
11. Computers in Composition
12. Organizing Devices
13. Comparison and Contrast
14. Peer Feedback
15. Definition
16. Collaborative Writing
17. Persuasion
18. Reading as a Thinker
19. Argument
20. Quotes and Citations
21. Research
22. Editing Sentences
23. Critical Thinking
24. Editing: Word Usage
25. Writing Across the Disciplines
26. Editing: Mechanics

## Everyday Voices

### The how-to's of creative writing

Grade Levels:	10-adult
Length:	30 minutes
Streams Online:	KET ED On Demand via <a href="http://KET.org/encyclomedia">KET.org/encyclomedia</a>

George Ella Lyon leads adult workshop participants through exercises that spark creativity and provide ideas for writing. For more background on Lyon, the author of *With a Hammer for My Heart* as well as *Come a Tide* and other children's books, pair *Everyday Voices* with *An Electronic Conversation with George Ella Lyons*.

### PROGRAM TITLES

1. Journaling
2. Writing Fiction
3. Children's Books
4. Poetry
5. Personal Narrative

## WRITERS ON THE WEB

*bookclub@ket* features discussions of fiction, poetry, biography, nonfiction, and even cookbooks by 90 Kentucky writers. Many of these books would make excellent reading choices for Kentucky high school students, and the discussions model how to analyze a book. You can watch the programs online at [ket.org/bookclub](http://ket.org/bookclub), where you can also subscribe to the monthly *bookclub@ket* newsletter.

*Great Conversations* brings distinguished writers of new books to the Kentucky Center for the Arts in Louisville for discussions with carefully chosen interviewers. Featured writers have included former U.S. Poet Laureate Billy Collins (interviewed by Garrison Keillor); novelists Margaret Atwood, E. L. Doctorow, and the late John Updike; and a host of other writers from varied fields. You'll find many of these programs streamed online at [KET.org/arts/authorforum](http://KET.org/arts/authorforum).

## Student Lessons in Revision with Barry Lane

### Creative writing exercises

Grade Levels:	4-8
Length:	30-40 minutes
Streams Online:	KET ED On Demand and Discovery via <a href="http://KET.org/encyclomedia">KET.org/encyclomedia</a>

Using humor and engaging examples, nationally known author and educator Barry Lane leads viewers through exercises to help them develop more creative writing pieces. These programs are designed for classroom use and/or for teacher professional development.

### PROGRAM TITLES

1. Growing Leads and Digging Potatoes: The Art of Beginning
2. The Myth of the Boring Subject: Revising Research Writing
3. Digging for Details
4. Snapshots and Thoughtshots
5. Exploding Moments and Shrinking Centuries
6. Don't Make a Scene, Build One: Revising Dialogue

## Write Ideas

### Creative ideas for writing poetry

Grade Levels:	4-8
Length:	3 minutes
Streams Online:	KET ED On Demand via <a href="http://KET.org/encyclomedia">KET.org/encyclomedia</a>

These short videos, featuring poet and teacher Aleda Shirley, are designed to spark children's imaginations and help them find clever, enticing ideas to write about.

### PROGRAM TITLES

1. Colors
2. The Third Eye
3. Wishes
4. Animals
5. Letter to the Moon
6. Seeing Music
7. Simultaneous Events
8. Quiet Times
9. Being Things
10. Negative Imagery



## From the Brothers Grimm

### Motivational reading

Grade Levels: 4-8  
 Length: 20 minutes  
 (Programs 17-20 are 25 minutes each)  
 Streams Online: KET ED On Demand via  
 KET.org/encyclomedia  
 Website: davenportfilms.com

Live-action film adaptations of American versions of classic folktales are set in authentic locations in Virginia, encouraging interest in folk classics by presenting them in an accessible format.

#### PROGRAM TITLES

1. **The Frog King or Faithful Henry**
2. **Bearskin [or The Man Who Didn't Wash for 7 Years]**
3. **Hansel and Gretel: Appalachian Version**
4. **Rapunzel, Rapunzel**
5. **Bristlelip**
6. **The Goose Girl**
7. **Jack and the Dentist's Daughter, Part I**
8. **Jack and the Dentist's Daughter, Part II**
9. **Soldier Jack, Part I** (Note: "Soldier Jack" has some scary scenes. Teacher discretion is advised with students under 8 years old.)
10. **Soldier Jack, Part II**
11. **Ashpet, Part I**
12. **Ashpet, Part II**
13. **Ashpet, Part III**
14. **Mutzmag, Part I** (Note: recommended only for grades 6-12.)
15. **Mutzmag, Part II**
16. **Mutzmag, Part III**
17. **Willa: An American Snow White, Part I** (Note: is recommended for the middle school grades.)
18. **Willa: An American Snow White, Part II**
19. **Willa: An American Snow White, Part III**
20. **Willa: An American Snow White, Part IV**

## reading

### bookclub@ket: James Still's Legacy: River of Earth

#### Tribute to a Kentucky writer

Grade Levels: 9-12  
 Length: 60 minutes  
 Streams Online: KET ED On Demand via  
 KET.org/encyclomedia

This discussion of the life and works of the great Kentucky writer encourages students to read his novel *River of Earth* critically and analytically and to find models for their own fiction and poetry.

### An Electronic Conversation with George Ella Lyon

#### Questions and answers about writing

Grade Levels: 5-12  
 Length: 51 minutes  
 Streams Online: KET ED On Demand via  
 KET.org/encyclomedia

Kentucky writer George Ella Lyon, author of more than 20 books for children and adults, answers questions from students about story ideas, writing strategies, dialogue, and the relationship between text and pictures.

## Inspiring Middle School Literacy

new!

### Media-rich lessons to reinforce literacy skills

Grade Levels: 5-8  
 Accessible Online: PBS LearningMedia via  
 KET.org/encyclomedia

These online self-paced lessons are designed to enhance the literacy skills of struggling readers. Each uses videos, interactive activities, note taking, reading, and writing to present students with an engaging science, social studies, mathematics, or English/language arts topic. The collection also includes set of self-paced lessons for teachers about how to use these lessons in their classrooms.

### James Still's River of Earth

#### Portrait of a Kentucky poet

Grade Levels: 7-12  
 Length: 60 minutes  
 Streams Online: KET ED On Demand via  
 KET.org/encyclomedia

This portrait of one of Kentucky's most distinguished writers, whose career spanned 70 years, uses interviews with James Still himself and with those who knew him to introduce his work and to provide insight into the history and culture of the Appalachian region.



## KET Arts Toolkit Collections

Now available on *KET EncycloMedia*

Streams Online: PBS LearningMedia via  
[KET.org/encyclomedia](http://KET.org/encyclomedia)

Some of the outstanding resources found in the KET Arts Toolkits are now available as special collections in PBS LearningMedia. These video segments enhance English/language arts lessons and are accompanied by background essays, discussion questions, and activity ideas. In some cases new video has been added.

### COLLECTION TITLES

1. **Arts in the Renaissance** (see page 21)
2. **Japanese Culture** (see page 22)
3. **The Civil War Era** (see page 22)
4. **Drama Based on Historical Characters** (see page 21)
5. **Integrated Teaching** (see page 27)

## Kentucky Muse

*Profiles of Kentucky writers*

Grade Levels: 9-12  
 Program Length: 60 minutes  
 Streams Online: KET ED On Demand via  
[KET.org/encyclomedia](http://KET.org/encyclomedia)  
 Website: [KET.org/muse](http://KET.org/muse)

Join KET's ongoing arts series for programs that explore and celebrate Kentucky's rich literary tradition.

- PROGRAM TITLES**  
**Coal Black Voices**  
**A Novel Approach**

**Signature: Ed McClanahan**

Note: These programs deal with adult themes. Preview before using.

## Living by Words

*A Celebration of 50 Years of Creative Writing at the University of Kentucky*

Grade Level: 9-12  
 Length: 90 minutes  
 Streams Online: KET ED On Demand and Discovery via  
[KET.org/encyclomedia](http://KET.org/encyclomedia)  
 Website: [KET.org/livingbywords](http://KET.org/livingbywords)

In this 2001 special, five of Kentucky's best-loved authors—Bobbie Ann Mason, Wendell Berry, Gurney Norman, Ed McClanahan, and James Baker Hall—celebrate the 50th anniversary of the University of Kentucky's Creative Writing Program.

Educational Use: Teachers will want to preview the program in advance. It is divided into "chapters" which allows for easier use in the classroom.

*This program has been flagged because one poem has the word "s---."*

## Reading Rainbow

*Motivational reading of children's literature*

Grade Level: Primary  
 Streams Online: Discovery Education via  
[KET.org/encyclomedia](http://KET.org/encyclomedia)  
 Length: 30 minutes

This series highlighting the best available books for children encourages reading by introducing works with intrinsic value and interest.

## SignatureLIVE!

### *Conversations with writers*

Grade Levels: 10-12  
Length: 60 minutes  
Website: KET.org/signaturelive

Young writers talk about writing with Ed McClanahan and Bobbie Ann Mason in these two programs taped live before a KET studio audience of high school and college students.

#### PROGRAM TITLES

1. Ed McClanahan
2. Bobbie Ann Mason

## Teletales

### *Motivational reading of folk and fairy tales*

Grade Levels: Primary  
Length: 15 minutes  
Streams Online: KET ED On Demand via  
KET.org/encyclomedia

These folk and fairy tales promote active listening, sharpen comprehension, extend vocabulary, supply examples of structure and chronological sequencing, connect to social studies content, and provide a springboard for thinking critically, interpreting information, and predicting results.

#### PROGRAM TITLES

1. **The Charmed Ring** (India)
2. **The Willow Tree** (England/China)
3. **Stan Bolovan** (Romania)
4. **Hansel and Gretel** (Germany)
5. **Soongoora and Simba** (Africa)
6. **The Bargain** (Ireland)
7. **The Chenoo** (Native American)
8. **Molly O'Mally** (Wales/England)
9. **Long Nose** (Germany)
10. **Bianchinetta** (Italy)
11. **The Sorcerer's Boy** (Russia)
12. **Half Chick/The Squire's Bride** (Spain/Norway)
13. **Caliph Stork** (Iraq)
14. **Fiddy Wow Wow** (Denmark)
15. **Paka'a** (Hawaii)

### ***KET Young Writers and Illustrators Contest***

Each spring, Kentucky students in grades K-5 can submit their original picture books to this statewide contest designed to encourage literacy and creativity. For more information about the 2013 contest, see page 80. To see e-book versions of 37 first-place, second-place, and third-place winners from 2013, go to Kentucky iTunes U.

## Telling Tales

### *Appalachian, African, and Native American stories told by master storytellers*

Grade Levels: Primary-8  
Length: 15 minutes  
Streams Online: KET ED On Demand and Discovery via  
KET.org/encyclomedia

These stories, songs, and poems, performed by master storytellers, include 10 from the Appalachian Mountains, four with African roots, and two grounded in Native American tradition.

#### PROGRAM TITLES

1. **Hardy Hard Head**
2. **The Two Gals**
3. **The Buzzard and the Monkey**
4. **The Possum and the Snake**
5. **Jack and the Giants**
6. **Soap/Cat and Rat**
7. **Little Deer and Mother Earth**
8. **Rising Fawn and the Fire Mystery**
9. **The Parable of the Eagle**
10. **Anansi's Rescue from the River**
11. **Wicked John**
12. **Jack and the Magic Mill**
13. **Ashpet**
14. **Mutsmag**
15. **Balaam Foster's Fiddle/The Banjo and the Loom**
16. **Passing It On**

## Voices & Visions

### *Modern American poetry*

Grade Levels: 10-12  
Length: 60 minutes  
Streams Online: KET ED On Demand via  
KET.org/encyclomedia

Explore the work, lives, and times of six of America's most noted poets through drama, dance, performances, interviews, archival footage, on-location cinematography, and recordings of poets reading their own works.

#### PROGRAM TITLES

1. **Elizabeth Bishop**
2. **Emily Dickinson**
3. **T.S. Eliot**
4. **Robert Frost**
5. **Langston Hughes\***
6. **Walt Whitman\***

\* These programs have been flagged for content and/or language. KET strongly encourages teachers to preview these programs. Call KET's Education office at (800) 432-0951 for more information.



## teacher resources

### Literacy Central

**Audience:** School literacy teams, teachers, and administrators  
**Accessible Online:** PBS LearningMedia via [KET.org/encyclomedia](http://KET.org/encyclomedia)  
**Focus Areas:** Literacy and key elements of successful literacy programs

These video and text resources and tools are designed to help Kentucky school literacy teams develop and implement effective literacy instruction through comprehensive planning and professional learning.

### Literacy Leadership: Stories of Schoolwide Success

#### NETA AWARD FOR INSTRUCTIONAL MEDIA

**Audience:** Professional development for K-12 principals and instructional leaders  
**Website:** [literacyleadership.org](http://literacyleadership.org) (also available on CD-ROM; e-mail [pd@ket.org](mailto:pd@ket.org) for more information)

Organized around the “Seven Disciplines for Strengthening Instruction” defined in *Changed Leadership, A Practical Guide to Transforming Our Schools* and produced in partnership with the Kentucky Department of Education, this online/CD-ROM-based resource showcases successful literacy programs at nine Kentucky schools.

### Literacy Strategies in Action: Resources for Primary Teachers

#### NETA AWARD FOR INSTRUCTIONAL INSERVICE

**Audience:** Professional development for primary teachers  
**CD-ROM:** One copy has been distributed to every Kentucky elementary school; e-mail [pd@ket.org](mailto:pd@ket.org) for more information

More than 100 video clips focus on phonological awareness, phonics, fluency, vocabulary, and comprehension and on connecting writing to reading acquisition and teaching in a multi-age classroom. Produced by KET in partnership with the Kentucky Department of Education, the resource package also includes teacher tips, a model of explicit instruction, and support materials.

### Literacy Without Limits: Help for Struggling Students, Grades 4-12

**Audience:** Professional development for teachers of grades 4-12  
**Website:** [literacywithoutlimits.org](http://literacywithoutlimits.org) (also available on CD-ROM)

More than 90 video clips in multiple content areas and classroom settings focus on effective instruction for students who struggle with literacy. This CD-ROM/online resource was produced by KET in partnership with the Kentucky Department of Education.



# KATHY'S PICKS: english/language arts



Education consultant Kathy Davis recommends other resources from [KET.org/encyclomedia](http://KET.org/encyclomedia).

## On PBS LearningMedia

### Inspiring Middle School Literacy

These online self-paced lessons for blended learning, funded by the Walmart Foundation, are designed to enhance the literacy skills of struggling readers in grades 5–8. Each uses videos, interactive activities, note taking, reading, and writing to present students with an engaging science, social studies, mathematics, or English language arts topic. Each lesson addresses a range of literacy strategies, which are listed in the accompanying teacher's guide. (Grades 6-8)

### Gone Readin'

PBS LearningMedia turns the spotlight on its spectacular collection of resources supporting literacy skills development in grades PreK-12. Explore this NEW collection that features video, lesson plans, and interactive games from programs like *Martha Speaks*, *Poetry Everywhere*, *The Electric Company*, and *Shakespeare Uncovered!* (Grades K-12)

### Martha Speaks

*Martha Speaks Reading Buddies* is an innovative, cross-age reading program, based on the popular PBS KIDS show *Martha Speaks*, and designed to help kindergarten and upper-elementary students increase their vocabulary, develop self-esteem and social skills, and enhance their love of books and reading. Find everything you need to create a 10-session Reading Buddies program, including videos, teacher instructions, checklists, a Big Buddy guide, and games and activities. (Grades K-5)

### American Masters

Public television's award-winning biography series brings unique originality and perspective to exploring the lives and illuminating the creative journeys of our most enduring writers, musicians, visual and performing artists, dramatists, and filmmakers—those who have left an indelible impression on our nation's cultural landscape. This collection offers you access to classroom-ready videos and articles drawn from the Series broadcasts and website. (Grades 9-12)

### Blue Ribbon Readers

A collection of interactive games and lesson plans to teach reading comprehension to elementary age students. Check out the games; your students will love them! (Grades K-5)

### Storybook Creator

Illustrate the power of words with this interactive game that allows young readers to change key words in classic stories like "Jack and the Beanstalk." (Grades K-1)

## On Discovery Education

### Reading Rainbow Series

This content collection offers all of the *Reading Rainbow* series, along with teacher's guides, video clips, and more resources selected and created by Discovery Education. (Grades K-3)

### Weston Woods

Search for publisher Weston Woods in Discovery and you will find over 100 audiovisual versions of your favorite children's "easy books" and accompanying materials to go with them. As a narrator reads the text, the video shows the actual illustrations from the book being read. It's a great way to get your students to read the books on their own. (Grades K-5)

### Discovering Language Arts: Writing-Advanced

This comprehensive video collection uses high-quality documentary footage to examine high-school-level writing, reading, grammar, listening and speaking skills, and media literacy skills. Improve your writing by learning to organize, edit, revise, and publish. Through real-world scenarios, learn how to write for different purposes and different audiences. (Grades 9-12)

### Just the Facts

In this series for middle school students, "Understanding Literature: The Elements of Poetry" illustrates and explains the elements of poetry, including figurative language, meter, rhyme, simile, metaphor, oxymoron, assonance, alliteration, imagery, understatement, and hyperbole. (Grades 6-8)

### Great Books

This series features many of the classic novels that our students study at the high school level. Video and accompanying materials examine the book and the author's perspective. One of my favorites is Herman Melville's *Moby Dick*. His great novel exploring the themes of good and evil, racial intolerance, and our relationship to nature was so offensive to contemporary readers that they refused to buy it. Discover how Melville's experiences as a young seaman influenced his story, and how *Moby Dick* itself influenced scores of American writers. (Grades 9-12)

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- ◆ Everyday Math for Preschoolers (Preschool-2)  
Scale City (6-8)  
Other Resources from Scale City Partners

### Teacher Resources

GED Geometry Professional Development Course  
Using Scale City to Teach Proportional Reasoning  
Other Professional Development

- ◆ **Brian's Picks: Mathematics**

- ◆ *New or Revised for 2013/2014*

## How to Access Resources

With a few exceptions, most resources listed in this section are available either at PBS LearningMedia or KET ED On Demand, which are both offered via KET EncycloMedia (KET.org/encyclomedia). Instructions for accessing these services are on pages 10-11.

## Everyday Math for Preschoolers

*Math concepts for the youngest students*

Grade Levels:      Preschool-Primary  
Length:                1-3 minutes  
Accessible Online:   PBS LearningMedia via  
                              KET.org/encyclomedia

*Everyday Math for Preschoolers* is a collection of online videos and interactives for students ages 3-6. It's designed to complement the *Everyday Math for Preschoolers* comprehensive curriculum and includes fun, easy-to-implement lesson plans and inexpensive activities that help prepare young children for success in school. Topics addressed in the curriculum and online resources include numbers and operations; geometry; algebraic thinking; money, time, and measurement; and data analysis.

1. **Hop to It (counting)**
2. **Shape Hunt**
3. **Shapes All Around Me**
4. **Shape House**
5. **Patterns Repeat**
6. **Making Ten (counting)**

## Scale City

**NETA AWARD FOR INSTRUCTIONAL MEDIA**

### *The Road to Proportional Reasoning*

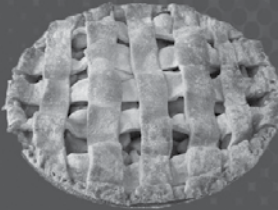
Grade Levels:       6-8  
Website:             scalecity.org  
Launch Date:        October, 2009

Middle school students learn about proportional reasoning through video visits to Kentucky places that illustrate scale and scaling and accompanying interactives that allow them to explore and apply the math. The website offers extensive teacher materials as well as links to resources developed by KET's public television partners in Alabama, Arkansas, and Maryland.


- **Video: Greetings from Dinosaur World** — A visit to Dinosaur World in Cave City, Kentucky, which has over 150 to-scale dinosaur replicas.
- **Interactive: Size-O-Rama** — Use proportional reasoning and one-dimensional scaling to compute the height of dinosaurs and other figures
- **Video: Greetings from the Louisville Slugger Museum** — A tour of the Louisville Slugger Museum and Factory to see the World's Largest Bat
- **Interactive: Similar Shadows** — Learn how to determine the height of an unknown object using a known height, shadows, and similar triangles.
- **Video: Greetings from the World of Mural Painting** — A look at murals created for Kentucky post offices during the Depression
- **Interactive: Mural Math** — Explore two-dimensional scaling by sizing up and painting murals.
- **Video: Greetings from Miniature Land** — A trip to miniature exhibits at the Kentucky Gateway Museum in Maysville and the Behringer-Crawford Museum in Covington and to an architectural firm in Lexington
- **Interactive: House of Scales** — Size a house up by a factor of 10 and see what happens to its dimensions, including its volume.
- **Video: Greetings from the World Chicken Festival** — A visit to the World Chicken Festival in London, Kentucky, where you can eat chicken prepared in the World's Largest Stainless Steel Skillet
- **Interactive: Sunnyside Up** — Use proportional reasoning to scale up recipes and explore what happens to the area of a skillet when its radius increases.
- **Video: Greetings from the Sky-View Drive-In** — A journey through the history of drive-in theaters culminating with the Sky-View Twin Drive-In in Winchester, Kentucky
- **Interactive: Drive-In Shadow Puppets** — Discover the inverse proportional relationship between an object's distance from a light source and the height of its shadow.
- **Video: Greetings from the Belle of Louisville** — An examination of how the Belle of Louisville's calliope and other musical instruments relate to mathematics
- **Interactive: Musical Scales** — Explore the mathematical relationship between the length of pipes in a panpipe and their pitch or frequency.
- **Video: Greetings from the Kentucky Horse Park** — A trip to the Kentucky Horse Park to see the Parade of Breeds and visit the grave of the legendary racehorse, Man o' War.
- **Interactive: At the Track** — See how time, distance, and speed are proportionally related by racing various opponents against Man o' War.

*Sunnyside Up* List Dessert Iced Tea Biscuits Chicken

First things first: Pie! One regular, 9-inch pie makes 6 slices. All 108 people want a piece of pie.



- How many whole pies do you need to bring?  pies
- Half of your family is going to use about 4 ounces of ice cream on the side. How many total ounces do you need?  oz.
- A tub of vanilla ice cream contains 32 oz. How many tubs do you need to bring? Note: You can't buy part of a tub.  tubs




**MURAL MATH** Select Size Select Image Erase

**Explore:**


Use the paintbrush to color in the grid and reveal the mural. Try different sizes and murals.

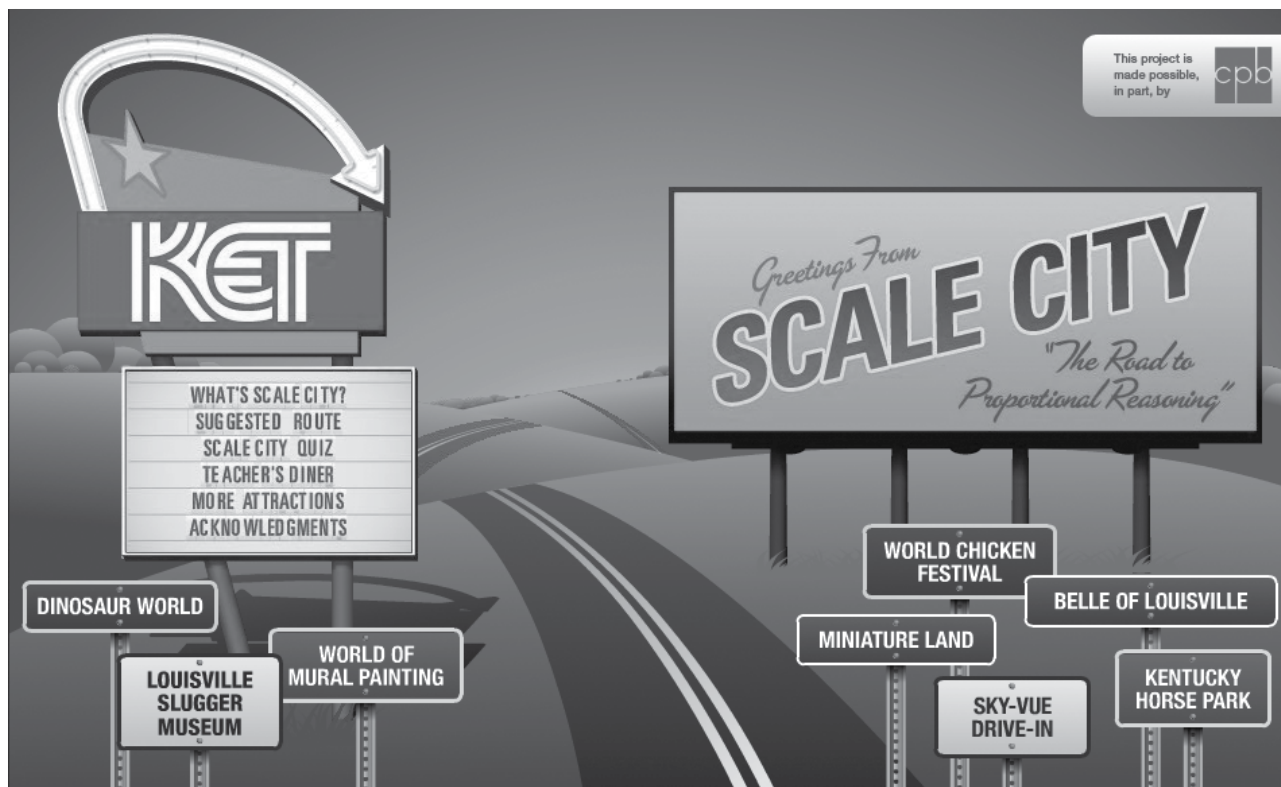
Notice what happens to the Paint-o-Meter as you paint.



Watch here for hints and instructions.

**Paint-O-Meter**  
0  50

This project is made possible, in part, by 



**KET**

WHAT'S SCALE CITY?  
SUGGESTED ROUTE  
SCALE CITY QUIZ  
TEACHER'S DINER  
MORE ATTRACTIONS  
ACKNOWLEDGMENTS

DINOSAUR WORLD

LOUISVILLE SLUGGER MUSEUM

WORLD OF MURAL PAINTING

WORLD CHICKEN FESTIVAL

MINIATURE LAND

SKY-VUE DRIVE-IN

BELLE OF LOUISVILLE

KENTUCKY HORSE PARK

Greetings From **SCALE CITY**  
"The Road to Proportional Reasoning"

## Other Resources From Scale City Partners

### Math by Design

Website: [mathbydesign.thinkport.org/](http://mathbydesign.thinkport.org/)

This interactive game for advanced middle school mathematics students requires players to problem solve and think critically. As junior architects commissioned to build environments, players work through a series of mathematical tasks. The site is rich with interactives and online hints to help students refine and build upon their knowledge of geometry and measurement.

### Rock-n-Roll Road Trip World Tour

Website: [stem.aetn.org/](http://stem.aetn.org/)

This interactive game invites students in grades 6-8 to take a trip around the world with a rock band while solving real-life problems using measurement, ratio, and proportion.

### Proportion Land

Website: [aptv.org/aptplus/flashlibrary/](http://aptv.org/aptplus/flashlibrary/)

This interactive game invites middle school students to "reason" their way through the eight interactive amusement park attractions. As students hop on and enjoy the rides, they must explore and apply proportional reasoning skills to solve a variety of science-based, real world problems.

# teacher resources

## GED® Geometry Professional Development Course

**Audience:** Professional development for adult education and general teachers  
**Accessible Online:** PBS LearningMedia via KET.org/encyclomedia

Designed for adult education teachers, KET’s GED® Geometry Professional Development Course includes lessons and resources for any educator looking for a concise review and advice on how to present this material to students. The course covers geometry concepts, including measurement; lines, angles, and triangles; perimeter, area, and volume; and the coordinate plane. The course consists of four self-paced modules, each containing four to eight lessons. Each lesson builds on the previous one(s) and includes teaching tips, interactive practice activities, video segments from the KET series *GED Connection*, a skill summary sheet, sample GED® questions, and a glossary of key terms.

## Using Scale City to Teach Proportional Reasoning

**Audience:** Professional development for upper elementary and middle school math teachers  
**Accessible Online:** PBS LearningMedia via KET.org/encyclomedia

This interactive, media-rich professional development resource, based on the new Common Core for Mathematics, offers three self-paced teaching modules on the effective use of *Scale City: The Road to Proportional Reasoning*, KET’s multimedia mathematics resource for middle school students (scalecity.org). See page 42.

## Other Professional Development

Check out PBS LearningMedia for a variety of professional learning opportunities. *The Characteristics of Highly Effective Teaching and Learning* Special Collection includes “Differentiation for Reading and Math.” In the video, collaborating teachers and instructional assistants support a diverse group of eighth-grade students in geometry through the use of video and interactive exercises and a graphic organizer.

### HIGH SCHOOL MATH RESOURCES

KET offers several resources for teaching mathematics to high school students. The KET STEM Collection at KET EncycloMedia includes two videos on math topics: “Quantus” explores numbers, and “Histogrameter” addresses data analysis. See page 53.

The *Applied Mathematics* collection on KET EncycloMedia is adapted from five mathematics episodes in KET’s *Workplace Essential Skills*. *Applied Mathematics* covers topics such as number sense and understanding trends and predictions. You’ll find more information about both *Applied Mathematics* and *Workplace Essential Skills* on page 50.



# BRIAN'S PICKS: mathematics



Education consultant Brian Spellman recommends other resources from [KET.org/encyclomedia](http://KET.org/encyclomedia).

## On PBS LearningMedia

### Terrific Tangrams

Build geometric figures using with other common shapes (e.g., tangrams, pattern blocks, geoboards). (Grades 3-4)

### Meerkatcher: Multiply Fractions with Unlike Denominators

The rascally meerkat gang is eating all the food in the zoo. Multiply fractions to feed the animals and catch those 'kats! In this activity, students will focus on multiplying fractions, starting with single-digit denominators and working up. (Grade 6)

### Reroofing Your Uncle's House

In this interactive adapted from the Wisconsin Online Resource Center, students use measuring skills and tools (a tape measure, notepad, and calculator) to determine how many shingles are needed to reroof a house. (Grades 9-12)

### Point Out the View

In this *Cyberchase* interactive, CyberSquad members stand in different places while looking at the same arrangement of blocks. The challenge is to figure out what each squad member sees from his or her point of view. (Grades 3-6)

### Railroad Repair Using Decimal Addition

In this *Cyberchase* interactive game, students repair gaps in a train track using a combination of two or three pieces of tracks ranging from 0.1 to 1.0 in length. (Grades 3-6)

### Get the Math

This is a multimedia project about algebra in the real world. See how professionals working in fashion, videogame design, and music production use algebraic thinking. Then take on interactive challenges related to those careers. (Grades 7-10)

### Applied Mathematics: Resources for WorkKeys® and GED® Preparation

This collection of resources, which originally appeared in KET's *Workplace Essential Skills* and *GED Connection* series and accompanying workbooks, is designed to help learners with math skills. (Grades 8-12)

### Math Instructional Strategies: Number Operations

This collection of resources was produced by KET for educators. Videotaped segments from actual classrooms provide examples of strategies for teaching math in adult education settings. (PD)

### Measurement and Geometry: Resources for Adult Educators

This collection of video segments produced by KET provides resources for teaching measurement and geometry in the adult education classroom. (PD)

## On Discovery Education

### Leon's Math Dojo

In a fun arcade-style game, students work out with Leon the Chameleon at the math dojo, clicking on punching bags to match numbers to counter sets, compare counter sets, and fill in number series. (Grades K-5)

### Fish Fractions: Fractions and Picture Match

Students help Ulani the pelican dive into the water and scoop up the fish with matching fraction or pie graph in this arcade-style game. (Grades 3-5)

### Math in Context

How has the study of mathematics changed the world? How did the knowledge of mathematics contribute to the evolution of music? Investigate the progress of humanity through the discovery of mathematics. (Grades K-12)

### Reading Rainbow: Math Curse

A gateway to in-depth mathematical thinking and reasoning involving real-world problems, this top-viewed video series covers a variety of topics for K-5 classrooms. (Grades K-2)

### Learning About Slope

This top-viewed video series for K-12 classrooms covers 123 topics that link mathematical thinking and reasoning with real-world applications. (Grades 6-12)

### Multiplication Rap for the Expert (with answers)

This song features the times tables for the numbers 1 through 12 set to a rap beat. (Grades K-5)

### Math with Mar: Fact Family

In this song, students learn that no matter whether you add or subtract in a fact family, the three numbers stay the same. (Grades K-5)

## contents

### Health, Wellness and Physical Education

- CyberSense (7-12)
- Fat Albert & the Cosby Kids (Primary-7)
- Fit Kids Classroom Workout (K-6)
- ◆ Healthy Me (Preschool-Primary)
- Looking from the Inside/Out (Primary-5)
- Social Sensibilities (7-12)
- Street Skills (9-12)
- Understanding Sexual & General Harassment in the Workplace (11-12)

### Consumer Education and Financial Literacy

- Biz Kid\$ (3-9)
- Econ and Me (Primary-5)

### Employability and Career Education

- College and You—Why Not? Tackling College with a Disability (9-12)
- TV411 (5-12)
- Workplace Essential Skills (10-12)

### Teacher Resources

- Before It's Too Late
- ◆ Health Three60
- Increasing Physical Activity in Schools
- ◆ Safe and Sound: Protecting Children from Toxic Stress More Than Child's Play
- Well Fed: Nourishing Our Children for a Lifetime
- ◆ **Kathy's Picks: Practical Living**

- ◆ *New or Revised for 2013/2014*

## How to Access Resources

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# health, wellness & physical education

## CyberSense

### *Internet safety for teens*

Grade Levels:	7-12
Program Length:	20 minutes
Streams Online:	KET ED On Demand via KET.org/encyclomedia

This no-nonsense, peer-based series raises teens' awareness of the personal, financial, and career-related threats that Internet users face and gives them a solid awareness of best practices and rules of online conduct.

### PROGRAM TITLES

1. **CyberSafety**
2. **CyberSecurity**
3. **CyberEthics**

## Fat Albert & the Cosby Kids®

### *Dealing with everyday problems*

Grade Levels:	Primary-7
Program Length:	15 minutes
Streams Online:	KET ED On Demand via KET.org/encyclomedia

Fat Albert and his friends deal with the day-to-day problems confronted by children everywhere. Featuring Bill Cosby, the series emphasizes values and how to work through problem situations.

### PROGRAM TITLES

#### CONFLICT

1. **Nobody Likes a Bully**
2. **Talk — Don't Fight**
3. **The Hero — Cool or Fool?**

#### PREJUDICE

4. **I Can Do It Myself!**
5. **Everybody's Different and That's OK!**
6. **Old Folks Are A-Okay!**
7. **Who Is an American?**

#### FAMILY

8. **Mom Deserves Some Thanks**
9. **Mom and Pop Split Up**
10. **Baby on the Way**
11. **Dad's Job Is Cool**

#### SAFETY

12. **Signs Are for Safety**
13. **Bicycle Rules — Safety First**
14. **Beware of Strangers**
15. **Help Police Your Neighborhood**

#### RESPONSIBILITY

16. **Do Your Job Right**
17. **Heart Attack — Save a Life!**
18. **Responsibility — The Only Way**
19. **TV or Not TV?**



#### SCHOOL

20. **Study Makes the Grade**
21. **Give School a Chance**
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23. **Reading Is the Way To Grow**

#### OTHER ISSUES

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25. **Going Into Business**
26. **Kids and Alcohol Don't Mix**
27. **Clean Is Keen**
28. **Four Eyes**
29. **Folk Tales**
30. **Write a Poem — Share Your Feelings**

## Fit Kids Classroom Workout

*Fitness can be fun!*

Grade Levels: K-6  
 Program Length: 5-13 minutes  
 Streams Online: KET ED On Demand and Discovery via  
[KET.org/encyclomedia](http://KET.org/encyclomedia)

Invigorate and motivate your students with these fun, contemporary dance routines that can be used in any school space, anytime, and any day! These four 5-minute and two 10-minute workouts can be used on their own or as a warm-up to other physical activity.

#### PROGRAM TITLES

1. **Hip & Happening Cardio Funk**
2. **Drum Beating, Foot Stomping African**
3. **Shimmy, Shaking & Loving Latin**
4. **Heart Pounding, Arms Pumping Aerobic Dance**
5. **Getting Funky**
6. **Loving African**

## Healthy Me new!

*A young child's guide to healthy living*

Grade Levels: Preschool-Primary  
 Accessible Online: PBS LearningMedia via  
[KET.org/encyclomedia](http://KET.org/encyclomedia)

These videos and interactives are designed to accompany KET's *Healthy Me* curriculum, which features a host of engaging activities for preschoolers and early primary students. Developed by early

childhood education experts, the *Healthy Me* curriculum includes lessons related to the human body, the senses, nutrition, exercise, and healthy habits. These online resources were developed thanks to a grant from Norton Healthcare.

#### HEALTHY ME TITLES

1. **Hop To It!**
2. **Healthy Teeth, Healthy You**
3. **Healthy Habits**
4. **Healthy Me: Washing Hands and Brushing Teeth (game)**
5. **Get Off the Couch! (interactive)**

## Looking from the Inside/Out

*Health and guidance about emotional skills*

Grade Levels: Primary-5  
 Program Length: 15 minutes  
 Streams Online: KET ED On Demand via  
[KET.org/encyclomedia](http://KET.org/encyclomedia)

This series features a cast of continuing characters who serve as role models to help students discover their emotions and feelings and learn about decision-making, communication, stress management, and goal setting.

#### PROGRAM TITLES

1. **I Don't Get It**
2. **That's Me!**
3. **I'll Decide**
4. **Sticks and Stones**
5. **Oh, Yeah?**
6. **Now What Do I Do?**
7. **Alone in a Crowd**
8. **A Helping Hand**
9. **In Harm's Way**
10. **Learning To Say "No"**
11. **Saying Goodbye**
12. **Will He or Won't He?**
13. **Changes**
14. **Worrywart**
15. **I Know I Can**

## Social Sensibilities

*Teen social issues*

Grade Levels: 7-12  
 Program Length: 30 minutes  
 Streams Online: KET ED On Demand via  
[KET.org/encyclomedia](http://KET.org/encyclomedia)

Students learn how to identify, avoid, and cope with the effects of sexting, cyberbullying, and sexual harassment.

#### PROGRAM DESCRIPTIONS

1. **The Realities of Sexting (You Can't Unsend It!)**
2. **Sexual Harassment at School: Hostile Environments**
3. **Generation Cyberbullying: Bullying Without Borders**

## Street Skills

### *Driver safety education*

Grade Levels:	9-12
Program Length:	30 minutes
Streams Online:	KET ED On Demand via KET.org/encyclomedia
Website:	KET.org/streetskills

Take an exciting ride through *Street Skills*, KET's video series for teen drivers, hosted by television star Josh Hopkins and now updated to include information about distracted driving, a leading cause of car crashes among young people. A bonus DVD with additional segments and other features is also available.

### PROGRAM DESCRIPTIONS

- The Art of Driving** — breaks down the act of driving into its component parts, covering basic driving skills and the rules of the road.
- Nature's Laws** — focuses on the physical and biological forces that affect driving ability, including speed, gravity, traction, fatigue, texting, alcohol, and drugs.
- The Car** — surveys different kinds of mechanical problems that can develop and gives advice on maintenance and repair.
- The Road** — examines the special challenges offered by different kinds of roads and driving problems related to weather conditions.
- Street Skills Extra** — explains how texting, Twittering, and talking on the cell phone are some of the ways teens get distracted and that distractions can turn into disasters.

## Understanding Sexual and General Harassment in the Workplace

### *Identifying and stopping sexual harassment*

Grade Levels:	11-12
Program Length:	14 minutes
Streams Online:	KET ED On Demand via KET.org/encyclomedia

In 2006, over 12,000 charges of sexual harassment were filed with the U.S. Equal Opportunity Commission. In this video, KET and the Kentucky Administrative Office of the Courts help educate young adults on sexual harassment: what it is, how to identify its signs, and what to do to stop it.

## consumer ed & financial literacy

### BIZ KID\$

#### *Managing money*

Grade Levels:	3-9
Program Length:	30 minutes each
Schedule:	Available at KET.org/tvschedules/ jabizkids.com
Website:	

*Biz Kid\$* gives students the tools they need to make and manage money, while inspiring them to pursue their dreams. The series demonstrates the importance of planning, goal-setting, risk-taking, and thoughtful decision-making and the skills needed to be a successful entrepreneur.

### PROGRAM TITLES

Note: A short description has been provided as necessary.

101. **What Is a Biz Kid?**
102. **What Is Money?**
103. **How Do You Get Money?**
104. **What Can You Do With Money?**
105. **Money Moves** — The path of a single dollar bill through the banking system
106. **Taking Charge of Your Financial Future**
107. **A Biz: What Is It?** — The business experiences of three student entrepreneurs
108. **How To Succeed in Biz-ness by Really Trying!**
109. **Cash and Credit**
110. **How To Achieve Your Financial Goals**
111. **Don't Blow Your Dough** — Avoiding identity theft
112. **Introducing Entrepreneurs**
113. **The Biz Kids Challenge** — A competition to see which lemonade stand is most successful
114. **How To Be a Smart Consumer**
115. **Using Your Credit — Crazy or Compelling?**
116. **Budgeting Basics**
117. **Understanding Business Ethics**
118. **Saving and Investing for Your Future**
119. **A Closer Look at Financial Careers**
120. **The Global Economy**
121. **Bulls, Bears, and Financial Markets**
122. **Sell, Sell, Sell: The Science of Sales**
123. **Understanding Income and Expenses**
124. **Building and Growing a Business**
125. **Understanding Your Paycheck**
126. **Social Entrepreneurs**
201. **Have a Plan, Stan!**
202. **Money Math**
203. **Building Your Business Online**
204. **Financial Institutions**
205. **How Credit Affects Your Life**
206. **The Art of Negotiation**
207. **The World Is A Risky Place**
208. **Economic Cycles**
209. **The Green Economy and You**
210. **Secrets To Success** — The many ways to pay for an education
211. **The Marketing Mix** — An exploration of the four P's of success: product, price, promotion, and placement
212. **Hidden Careers**
213. **Learning from Failure**
301. **Are You Financially Literate?**
302. **Wheel of Misfortune** — How to avoid common money mistakes
303. **More Bang for Your Buck** — Making the most of opportunities
304. **Where is My Allowance?** — Tips for stretching money
305. **Escape the Box** — Learning how to budget household expenses
306. **Debt: Get Out and Stay Out**
401. **A World Without Taxes**
402. **Debt: The Good, the Bad, and the Ugly**
403. **Your First Big Purchase**
404. **What Up With the Stock Market?**
405. **Crash Course on Starting a Business**
406. **How to Make a Million Bucks!**
407. **Scam-A-Rama (Protect Yourself from Being Scammed)**
408. **The Value of Money**
501. **What's Your Money Personality?**
502. **Business Structures**
503. **Movin' On Out**
504. **You Are The Target!**
505. **The Economics of Economics**
506. **Businesses That Give Back**
507. **What's in the Books?**
508. **Take it to the Bank**
509. **It's a Job to Get a Job!**
510. **Fundraising Can Be Fun**



- 511. **What to do with a Windfall**
- 512. **Businesses Going Green**
- 513. **All in the Family**

## Econ and Me

*Basic economic concepts*

Grade Levels: Primary-5  
 Program Length: 15 minutes  
 Website: econ.org

This series provides students with insight into today's world, helps them make reasoned decisions, and reinforces language arts, mathematics, and problem-solving skills. The Kentucky Council on Economic Education provides training for teachers in the use of these programs. Call 1-800-436-3266 for information.

### PROGRAM DESCRIPTIONS

1. **Scarcity**
2. **Opportunity Cost**
3. **Consumption**
4. **Production**
5. **Interdependence**

# employability & career education

## College and You — Why Not? Tackling College with a Disability

*Overcoming barriers to higher education*

Grade Levels: 9-12  
 Program Length: 25 minutes  
 Streams Online: KET ED On Demand via KET.org/encyclomedia

This KET-produced program addresses barriers that sometimes discourage students with disabilities from pursuing a college education. Students with learning or physical disabilities talk about their experiences at a wide range of colleges and universities.

## TV411

*Essential reading, writing, math skills*

Grade Levels: 5-12  
 Program Length: 30 minutes  
 Streams Online: KET ED On Demand via KET.org/encyclomedia  
 Website: tv411.org  
 Teaching Materials: 6 DVDs (\$200), student workbooks and a user's guide (\$35) available from KET. Call (800) 228-3382 for information.

*TV411* focuses on parenting, money matters, and health. Subjects include reading comprehension, research techniques, writing to others, filling out forms, calculating percentages, using fractions, test taking, and more.

### PROGRAM TITLES

1. **The Thesaurus, Synonyms and Antonyms, Personal Portfolio & The Paycheck**
2. **Apostrophes, The Library Card, Percentages, Decimals, and Probability**
3. **Prefixes, Compound Words and Phrases, Creating a Medical Bible, Strategies**
4. **Explaining Ambiguous Newspaper Headlines, Keeping a Journal, Using Transitions, Reading Books**
5. **Suffixes, Ask the Librarian, Baby on the Way, Math Skills**
6. **How to Take a Phone Message, The Resume, Using Percentages**
7. **Reading a Map, Using the Dictionary, Math: How to Find an Average**
8. **How to Navigate Around the Yellow Pages, Diabetes, The Cover Letter, Deciphering the Food Label**
9. **Preparing for a Public Speech, Reading to Your Children, Relationships Between Addition and Multiplication**
10. **Subject-Verb Agreement, Understanding the Fine Print**
11. **Test Taking Tips, Using an Atlas, Understanding a Lease, The Writing Process**
12. **Choosing a Dictionary, Word Meaning, Choosing a School for Your Child, Draft and Revise a Personal Greeting Card**
13. **The Library, Metaphors and Similes, Credit Card Application, Percentages and Fractions**
14. **Writing a Letter, Foreign Words, Using a Highlighter, Reading a Map**
15. **Picking a Book, Using a Glossary, Making a Schedule, Journaling**
16. **Renting Versus Owning an Appliance, Time Management, Estimating a Job**
17. **Buying a House, Using a Thesaurus, Reading a Utility Bill**
18. **Strategies for Understanding a Difficult Newspaper Article, Percentiles and Rankings, Summarizing a Poem**
19. **Learning Styles, Reading and Using the Unit Price Labels**
20. **Understanding the Concept of Probability, Words with Multiple Meanings, A Look at Dyslexia**
21. **Body Works**
22. **Personal Finances**
23. **The Learning Journey**
24. **On the Job**
25. **Navigating the System**
26. **Family Matters**
27. **Writing**
28. **Express Yourself**
29. **Math for Life**
30. **Media**

## EXPLORE CAREERS WITH KET

Many of KET's original electronic field trips give students inside looks at a variety of careers, from the arts to agricultural and scientific fields. The Electronic Field Trip section begins on page 29. The Arts Toolkit (page 18) offers more resources related to careers in the arts, as does *Kentucky Muse* (page 22) and *Looking at Painting* (page 26).

*World of Our Own: Kentucky Folkways* (page 23) introduces people with traditional occupations, including farriers, musicians, quilters, herbalists, and more. And *An Electronic Conversation with George Ella Lyon* (page 37), *Living by Words* (page 38), and *SignatureLIVE!* (page 39) all feature Kentucky authors offering insights into the world of professional writers.

# Workplace Essential Skills

## NETA BEST OF THE BEST

*Skills and advice for finding, getting, and keeping a job*

- Grade Levels: 10-12
- Program Length: 30 minutes
- Streams Online: KET ED On Demand via [KET.org/encyclomedia](http://KET.org/encyclomedia)
- Print Materials: Teacher's guides (\$24) and student workbooks (\$18) can be purchased by calling (800) 228-3382.
- DVD: The 24 student programs and the 30-minute orientation program are available on 7 DVDs by calling (800) 228-3382.
- Website: [KET.org/enterprise/work/workplace.htm](http://KET.org/enterprise/work/workplace.htm)

This series, originally designed for adults, shows high school students what to expect from the job application process, what attributes employers look for, and how those skills are used in real on-the-job situations. The series also includes instructional programs in writing, reading, and mathematics within a workplace context that may be used for remediation in these areas. Accompanying workbooks are written at a 6th- to 7th-grade reading level. Produced by KET as part of the PBS LiteracyLink Project.

### PROGRAM TITLES

#### FINDING A JOB

1. Planning To Work
2. Matching Skills and Jobs
3. Applying for Jobs
4. Resumes, Tests, and Choices
5. Interviewing

#### NEW TO THE JOB

6. Ready to Work
7. Workplace Safety
8. Learning to Work

#### COMMUNICATION SKILLS

9. The Language of Work
10. Communicating with Co-Workers and Supervisors
11. Working Together
12. Communicating with Customers

#### WRITING SKILLS

13. A Process for Writing
14. Supplying Information: Directions, Forms, and Charts
15. Writing Memos and Letters

#### READING

16. Reading for a Purpose
17. Finding What You Need: Forms and Charts
18. Following Directions
19. Reading Reports and Manuals

#### MATHEMATICS

20. Number Sense
21. Solving Problems
22. Fractions, Decimals, and Percents
23. Measurements and Formulas
24. Trends and Predictions: Graphs and Data



## teacher resources

### Before It's Too Late

- Audience: Teachers, counselors, and parents
- Streams Online: [KET.org/health/before-its-too-late.htm](http://KET.org/health/before-its-too-late.htm)

In 2009, a survey of Kentucky high school students found that 15.1 percent had seriously considered attempting suicide within the past 12 months. This program features stories from families directly impacted by teen suicide, expert advice for those who think a teen they know may be considering suicide, and a visit to an innovative suicide prevention workshop at Mercer County High School.

### Health Three60

- Audience: Teachers, counselors, and parents Organizations
- Streams Online: [KET.org/health/morethanchildsplay](http://KET.org/health/morethanchildsplay)

This series explores important health issues in Kentucky, presenting three sides of an issue in 60 minutes through a mix of studio and documentary segments.

#### PROGRAM TITLES

1. The New Face of Diabetes
2. Erasing the Stigma of Mental Illness
3. Probing Prescription Drug Abuse (includes a segment showing how one school is educating students and the community about the dangers of drug abuse)
4. The Hearth Facts: Cardiovascular Disease in Kentucky
5. No Health without Mental Health
6. Citizens Taking Charge

#### COMING IN 2013

7. When Children are Cruel (August)
8. Healthy Competition: How County Health Rankings are Catalyzing Change (September)
9. Champions of Children's Health (October)

## More Than Child's Play: Why Physical Activity Matters

Audience: Teachers, administrators, and parents  
Streams Online: [KET.org/health/morethanchildsplay](http://KET.org/health/morethanchildsplay)

This hour-long program examines the causes and remedies for childhood obesity and sedentary lifestyles and explores innovative ways that Kentucky schools, communities, and families are encouraging kids to get more active. Explore the website for more success stories, tips, and strategies.

## Increasing Physical Activity in Elementary Schools

Audience: Professional development for teachers and administrators  
Accessible Online: [PBS LearningMedia via KET.org/encyclomedia](http://PBS LearningMedia via KET.org/encyclomedia)

This self-paced professional development module offers tools for increasing levels of physical activity throughout the school culture, a strategy that supports learning, on-task behavior, and lifelong wellness.

## Safe and Sound: Protecting Children from Toxic Stress

Audience: Teachers, counselors, and parents  
Streams online: [KET.org/health/](http://KET.org/health/)

This KET Special Report lays out the case for the importance of addressing the emotional and social health of children at an early age and demonstrate why it is an issue that impacts us all. It looks at the challenges that parents face, identifies where we are failing families and children, and explores what practices are underway to support families. Available Winter 2014.

## Well Fed: Nourishing Our Children for a Lifetime

Audience: Teachers, counselors, and parents  
Streams online: [KET.org/health/](http://KET.org/health/)

This special report explores the impact of America's food system on childhood obesity and current strategies for increasing access to healthy foods. It follows the child's growth, highlighting the importance of good nutrition in infancy, continuing through each developmental stage, and concluding by examining the impact of community context on a child.

## KATHY'S PICKS: practical living



Education consultant Kathy Davis recommends other resources from [KET.org/encyclomedia](http://KET.org/encyclomedia).

### On PBS LearningMedia

#### Fishing for Safe Food

This interactive game adapted from the U.S. Environmental Protection Agency is a fun way to learn which types of fish contain low levels of mercury and are safe to eat and which contain high levels and should be avoided. (Grades 3-8)

#### Fizzy's Lunch Lab

Fizzy and his crew are on a mission to halt the children's obesity epidemic through a fun mix of nutrition information, healthy eating tips, and simple recipes. Most researchers agree that a diet rich in fruits and veggies are the key to healthy nutrition, avoidance of obesity, and disease prevention. The Lab provides practical, positive examples of healthy eating and regular exercise within an entertaining format. (Grades K-4)

#### Guess What's Coming to Dinner?

In this interesting interactive from the *Frontline/Nova* "Harvest of Fear" website, students browse through a table full of genetically modified (GM) foods to see what's available now and what's to come. (Grades 9-12)

### On Discovery Education

#### So You Want to Be...

This career series for elementary students explores over 100 careers from accountants to zookeepers! This is a great resource for teaching a career unit. (Grades K-5)

#### Computer and Internet Basics

Many people use a computer and the Internet every day to store and share information around the world or with a neighbor. The program introduces students to the basic parts and functions of a computer, including input and output devices, the central processing unit, memory tools, and software. A close-up look at the Internet outlines its capabilities and important safety tips to follow. (Grades 3-5)

#### Songs for a Great Day: "Pledge to Lead a Drug-Free Life"

Listen to this song and learn how to say no to drugs. Check out hundreds of songs on Discovery Education and teach to music! (Grades K-12)

## contents

### Instructional Programs

- ◆ A Bean's Life (P-2)  
Everyday Science (Pre-K-Primary)  
Inside the Living Cell (6-9)
- ◆ Kentucky's Natural Heritage (4-12)  
KET Image Bank (K-12)  
Saturday Morning Rock Hunt (4-8)  
KET STEM Learning Objects (K-12)
- ◆ Think Garden (3-5)  
Tunneling for Water (4-6)  
Water Solutions (4-12)  
Zoo Zoo Zoo (Primary)

### KET Distance Learning

- Physics (9-12)
- Virtual Physics Labs (various)

### Teacher Resources

- Raindrops to Rivers

### ◆ Larry's Picks: Science

### ◆ New or Revised for 2013/2014

## How to Access Resources

With a few exceptions, most resources listed in this section are available either at PBS LearningMedia or KET ED On Demand, which are both offered via KET EncycloMedia ([KET.org/encyclomedia](http://KET.org/encyclomedia)). Instructions for accessing these services are on pages 10-11.

## A Bean's Life



*Follow a bean from seed to food*

Grade Levels: P-2  
Accessible Online: PBS LearningMedia via  
[KET.org/encyclomedia](http://KET.org/encyclomedia)

Available winter 2013, this video produced in conjunction with *Think Garden* features Karen Angelucci, author of the children's books *Grimy*, *Grubby Gardening* and *Across Grandma's Garden*, explaining the life cycle of the pole bean, from germination to harvest and consumption.

## Everyday Science

*Tools for a science foundation*

Grade Levels: Preschool-2  
Length: 1-3 minutes  
Accessible Online: PBS LearningMedia via  
[KET.org/encyclomedia](http://KET.org/encyclomedia)  
Price: \$50 + shipping for complete curriculum, binder  
containing 12 modules, and DVD

Short videos and interactives encourage young children to explore their world, while developing skills in literacy, mathematics, and social studies. This online resource, which includes accompanying materials designed to help teachers engage students in meaningful science activities, was funded in part by Kentucky Power and PNC Bank. It complements KET's *Everyday Science for Preschoolers* curriculum.

### PROGRAM TITLES

1. About the Seasons (video)
2. Animal Families (video)
3. Backyard Wildlife (video and interactive)
4. Clouds and Weather (video)
5. Dress for the Weather (interactive)
6. Look at Me Now (interactive)
7. What Do You Get From That? (video)
8. Zoo Safari (video)
9. From Seed to Fruit (video and interactive)
10. Let's Build Something (video and interactive)
11. Mixing Colors (video and interactive)
12. Simple Machines (interactive)
13. A Tail Like This (video and interactive)
14. What's the Matter? (video)
15. What Is a Pulley? (video)
16. What Season Is It? (interactive)
17. Who Comes to the Feeder? (video and interactive)





## Kentucky's Natural Heritage new!

*Engaging tools for learning about biodiversity in Kentucky*

Grade Levels: 4-12  
 Accessible Online: PBS LearningMedia via  
[KET.org/encyclomedia](http://KET.org/encyclomedia)

Kentucky is one of the most biodiverse places in the nation; and this growing collection of videos and interactives, produced in partnership with *Kentucky Life*, the Kentucky Nature Preserves Commission, and the University Press of Kentucky, will help students understand the meaning and importance of that biodiversity. Topics addressed include genetic and species diversity, adaptation and selection, ecosystems and biomes, and native and non-native species. Subject areas covered include biology, earth science, environmental science, and social studies. Available beginning January 2013.

## Saturday Morning Rock Hunt

*Rocks, fossils and minerals*

Grade Levels: 4-8  
 Program Length: 15 minutes  
 Streams Online: KET ED On Demand and Discovery via  
[KET.org/encyclomedia](http://KET.org/encyclomedia)

Produced by *Kentucky Life* host Dave Shuffett and the KYANA Geological Society, this video teaches students about earth science concepts as they relate to Kentucky's own rich geological history.

## KET STEM Learning Objects

*Resources for science, technology, engineering and math*

Grade Levels: K-12  
 Program Length: Varies per resource, average length 3 minutes  
 Accessible Online: PBS LearningMedia via  
[KET.org/encyclomedia](http://KET.org/encyclomedia)

This collection of STEM instructional resources include videos and images from award-winning KET programs that explore such topics as life sciences, geometry, and biology.

- Making Electricity at a Coal Burning Plant
- What Is a Watershed?
- Pixels and Pigments
- Quantus
- The Falls of the Ohio and the Devonian Period
- Karst Topography and Mammoth Cave
- Points of Origin
- Vehicle Stopping Distance
- Cumberland Gap Tunnel
- Histogrameter
- Indiana Bats of Carter Caves
- Restoration of the American Chestnut Tree
- American Chestnut Tree
- Farm Solutions to Water Pollution
- Urban Solutions to Water Pollution
- The Inverse Square Law
- Glacier Movement in the Formation of the Ohio River
- Unique Species in Kentucky's Green River
- Habitat and Diet in Racehorse Development
- Dragonflies in Kentucky

## KET Image Bank

*Images and information for presentations and reports*

Grade Levels: K-12  
 Accessible Online: PBS LearningMedia via  
[KET.org/encyclomedia](http://KET.org/encyclomedia)

Beautiful, royalty-free photographs of animals, plants, and places that can be used in the classroom or integrated into educational presentations or reports. The collection consists of interactive catalogs with images and information about the subject of the photographs.

### IMAGE BANK TITLES

1. Birds
2. Flowering Plants
3. Insects
4. Mammals
5. Reptiles
6. Kentucky Places
7. National Places

## Kentucky Bio new!

*Interactive ebook exploring our state's rich biodiversity*

Grade Levels: 4-6  
 Accessible Online: PBS LearningMedia via  
[KET.org/encyclomedia](http://KET.org/encyclomedia) and iTunes U

This engaging ebook, developed in part with grants from the Green River Community Foundation and Pentair, features images, videos, quizzes, and other interactives to help students master science content while learning about Kentucky's plants, animals, and ecosystems. The book is designed to help meet English/language arts standards for science reading, and is especially useful for the fourth-grade Kentucky-focused curriculum. Available Winter 2013/2014.



## Think Garden new!

*The science behind growing food*

Grade Levels: 3-5  
 Accessible Online: PBS LearningMedia via  
 KET.org/encyclomedia

This engaging KET-produced collection of short videos and related classroom materials helps teach elementary students about the science of growing food, with an emphasis on biological and environmental concepts. It features video recorded at Meadowthorpe Elementary School in Lexington and Cane Run Elementary School and the Food Literacy Project at Oxmoor Farm in Louisville.

### PROGRAM TITLES

1. The History of Food
2. Food Chains
3. Plant Families
4. Plant Structure
5. Soil Composition
6. The Importance of Water
7. Location, Location
8. Photosynthesis
9. A Year in the Garden
10. Gardener's Poem
11. Cool Crops
12. Garden Health and Maintenance
13. Sustainable Gardening
14. Garden Pests and Helpers
15. Buying Local
16. Pizza Gardens
17. Edible Economics
18. Product in Produce

## Tunneling for Water

*Creating a riverbank filtration system*

Grade Levels: 4-6  
 Accessible Online: PBS LearningMedia via  
 KET.org/encyclomedia

These videos, produced by Louisville Water Company, document the creation of four wells and a mile-long tunnel that use riverbank filtration to supply water to homes and businesses.

### PROGRAM TITLES

1. Geology and the Ohio River Tunnel Project
2. Understanding the Riverbank Filtration System
3. Digging the Tunnel and Prehistoric Water!
4. Digging the Well and Treating the Water
5. Tunneling for Water: Full-Length Version

## Water Solutions

*Water quality/water conservation*

Grade Levels: 4-12  
 Accessible Online: PBS LearningMedia via  
 KET.org/encyclomedia

Learn about how to prevent and mitigate non-point source water pollution from these two sets of eight videos, one about water conservation and protection efforts at Bernheim Arboretum and Forest near Louisville and one about mitigating acid mine drainage from abandoned mines in southeastern Kentucky. Teacher materials include background essays, glossaries, discussion questions, and graphic handouts illustrating important concepts.

### PROGRAM TITLES

**Bernheim Forest** (Grades 4-12)

1. Controlling Water Run-off
2. Reusing Wastewater
3. Recycling and Restoration
4. Rain Gardens
5. Mycoremediation
6. Applying the Scientific Method
7. Stream Restoration
8. Detached Wetlands

**Acid Mine Drainage** (Grades 6-12)

1. Acid Mine Drainage and Precipitates
2. Environmental Impact of Acid Mine Drainage
3. The Geology of Coal
4. High Sulfur Coal and Acidic Water
5. Restoring Lower Rock Creek
6. Acid Mine Drainage Remediation
7. Results of Mine Drainage Remediation
8. Aquatic Insects

## Zoo Zoo Zoo

*Animals in the zoo*

Grade Levels: Primary  
 Program Length: 15 minutes  
 Streams Online: KET ED On Demand via  
 KET.org/encyclomedia

This series presents zoo animals through programs built around themes such as predators, body parts, and movement. It emphasizes the animals' special features, behavior, and relationships and uses photography to help young viewers see close-up details.



#### PROGRAM TITLES

1. All About Eyes
2. All About Feet
3. All About Ears
4. All About Tails
5. Animal Costumes
6. Animal Defenses
7. The Importance of Predators
8. Do Animals Talk?
9. How and What Animals Eat
10. How Animals Move
11. How Animals Help Each Other
12. Zoo Babies
13. Animal Houses
14. Animal Groups
15. Who Works at the Zoo?
16. Where Animals Live

## KET distance learning

### Physics

*Ideal for college prep*

KET's Distance Learning Programs offers two physics courses:

- **Honors Physics**, a full-year course for students who are ready for an advanced, mathematical course, but not interested in AP® Physics.
- **AP® Physics B**, a one-year, College Board-accredited independent study course that includes College Board-approved KET Virtual Physics Labs®. The equivalent of two semesters of sophomore-level college physics, AP® Physics B provides a rigorous preparation for the AP Physics B test.

For specific information, see the description in the Distance Learning section of the resource book beginning on page 72.

### KET Virtual Physics Labs

*Online, virtual, interactive labs*

Created to accompany KET's distance learning physics courses, these 21 labs are available as stand-alone resources that offer teachers a low-cost way to enhance lab offerings and fill gaps in their equipment list as well as opportunities to provide whole-class demonstrations and to create engaging pre-lab and/or student-centered activities. More specific information is in the Distance Learning section beginning on page 73.

## teacher resources

### Raindrops to Rivers

*Electronic Field Trip to a Watershed* (in two versions—intermediate and secondary) and supporting professional development resources help teachers in grades 2 through 12 introduce concepts involving watersheds, water pollution, and non-point source pollution. For more information, see the description on page 33.

### Other Science Professional Development

Annenberg Media Series offers professional development and instructional resources on topics such as K-6 earth and space science, K-6 physical science, environmental science, high school chemistry, and biology. For more information, go to [learner.org](http://learner.org).

### MORE SCIENCE RESOURCES FROM KET

Many of KET Electronic Field trips explore science topics. For example, you can check out *Electronic Field Trip Through Geologic Time* (page 30), which takes students to Jenkins Pound Gap to learn about rock formations; *Electronic Field Trip to a Watershed*, a look at the causes and effects of non-point source water pollution; and *Electronic Field Trip to the Forest*, which reveals how Kentucky woodlands are shaped by natural and

## LARRY'S PICKS: science



Education consultant Larry Moore recommends other resources from [KET.org/encyclomedia](http://KET.org/encyclomedia).

## On PBS LearningMedia

### More About Environmental Science

#### Agricultural Runoff and Gulf of Mexico Dead Zone

Adapted from *Big River: A King Corn Companion*, this video shows the importance of understanding how different ecosystems interconnect and how contaminants introduced in one area of a watershed affect other areas downstream. (Grades 6-12)

#### Fishing for Safe Food

This interactive game adapted from the U.S. Environmental Protection Agency is a fun way to learn which types of fish contain low levels of mercury and are safe to eat and which contain high levels and should be avoided. (Grades 3-8)

#### Compost Office

Produced by Keep America Beautiful, Inc. this interactive uses illustrated text and a game to explain the importance of composting, the science involved, and the perfect recipe for decomposition. (Grades 3-8)

#### Your Carbon Diet

This interactive helps students explore how much energy they use and common sense ways to conserve. It's adapted from the *Frontline/NOVA* website "What's Up with the Weather?" (Grades 9-12)

### More About Life Science and Biology

#### Body Control Center

This interactive helps students understand how our nervous systems monitor and makes endless adjustments to the basic functioning of our bodies—all to keep us alive. (Grades 6-8)

#### Interactive Field Guide

Learn about dinosaurs from the Cretaceous and Jurassic periods and compare skeletons, sizes, and other characteristics in this interactive. (PreK-2)

#### Life of a Tree

This interactive activity adapted from the National Arbor Day Foundation takes a 62-year journey to observe a tree's inner layers and rings and to discover the environmental factors that affect its growth and life cycle. (Grades 6-12)

#### Where Do You Get Your Energy?

This interactive activity adapted from the Exploratorium explores how our cells harvest energy from food. (Grades 7-10)

#### Analyzing an Ecosystem

In this interactive adapted from the University of Alberta, students identify the living and nonliving things in an ecosystem and then examine the living things further to identify producers, consumers, and examples of mimicry. (Grades 6-12)

### More About Earth and Space Science

#### Earth in Motion: Seasons

This interactive activity from the Adler Planetarium explains the "reasons for the seasons." Featured is a game in which Earth must be properly placed in its orbit in order to send Max, the host, to different parts of the world during particular seasons. (Grades 3-8)

#### Geospatial Revolution: GIS Vocabulary

In this interactive based on Penn State Public Broadcasting's *Geospatial Revolution* project, learn vocabulary that has developed with the growth of GIS, watch relevant videos, and check your understanding of the words using the embedded assessment. (Grades 7-12)

#### Meet Curiosity, a Mars Rover

Learn about the sophisticated scientific instruments on Curiosity, the latest Mars rover, in this interactive activity adapted from NASA. (Grades 9-12)

#### Phases of the Moon

When we look up at the night sky, why do we see the moon's appearance changing over time from a full sphere to a crescent to nothing at all? Find answers in this interactive adapted from the National Air and Space Museum. (Grades K-8)

### More About Physical Science

#### What's the Difference?

This animated essay from the *American Experience* website explains the difference between alternating and direct electric current and offers in-depth explanations about the roles played by batteries, light bulbs, wires, and generators. (Grades 6-12)

#### Design a Liquid Fuel Rocket Engine

Learn about rocket engines, and then design and launch a liquid fuel rocket in this interactive activity adapted from NASA. (Grades 9-12)



## NOVA Elements

Explore the periodic table, and build atoms and molecules in this web edition of the *NOVA Elements* iPad app. (Grades 6-12)

## Energy Sources

This video segment illustrates sources used to generate electricity, some of which are in use and some of which are under exploration. (Grades 3-12)

## Lift and Drag

In this interactive activity from *NOVA*, learn about the aerodynamic forces of lift and drag and how critical they are to the operation of all sorts of devices. (Grades 6-12)

## Nanobots

This game allows students to investigate the very different behavior of forces at the nano-scale as they navigate nano-size robots of their own design across a challenging terrain. (Grades 4-6)

## Particulate Nature of Matter

In this interactive activity from ChemThink, examine the basic properties of matter at an atomic level and consider how various atoms affect the way a substance behaves. (Grades 6-12)

## Virtual Balloon Cars

This interactive activity from *ZOOM* lets you experiment with a virtual balloon car of your own making. Find out which design elements make the car go faster and faster. (Grades 3-8)

# On Discovery Education

## More About Environmental Science

### The Science of Plants: Environmental Enclaves

This video examines the complex ways that plants adapt to abiotic and biotic factors in their environments and takes a look at the flow of energy within an ecosystem. (Grades 6-8)

### Stuff Happens with Bill Nye: Office

In this video, scientist Bill Nye examines wasteful office habits and provides simple tips to conserve energy and reduce waste while at work. (Grades 6-12)

### Powering the Future: The Green Revolution

This video about the search for an energy source to replace fossil fuels features interviews with German, Spanish, and U.S. pioneers in the field of renewable energy who hope that wind and solar power will produce the bulk of the world's electricity by mid-century. (Grades 6-12)

## More About Life Science and Biology

### Being Alive

What do you have in common with a gerbil or a geranium? Come explore what plants and animals need to stay alive in this Fun-damental interactive, available both in Flash and HTML5. (Grades K-5)

## The Jeff Corwin Experience: Panama: Rain Forest Ecosystem

In this video, Jeff Corwin explores Panama in search of some of the most muscular, deadly, and bizarre animals in the world. (Grades 3-5)

## Great Discoveries with Bill Nye: Biology: The Science of Microbiology

This video explores prokaryotes, eukaryotes, archaea, and the history of microbiology. Topics include cell division, changing food to energy, and more. (Grades 6-8)

## Planet Earth: Caves

This video descends into the only habitat not directly driven by sunlight to discover some of the earth's most peculiar creatures, specialists adapted to living with sparse food, darkness, and acidic conditions. (Grades 3-12)

## More About Earth/Space Science

### Engineering Nature: Engineering Volcanoes

This video explores the mysterious inner workings of volcanoes to see how they do their damage and how scientists are learning to predict eruptions. (Grades 6-12)

### Science Investigations: Earth Science: Investigating the Earth's Surface

This series of short videos many scientific principles, the ways different scientists work, how they conduct scientific investigations. (Grades 6-8)

## More About Physical Science

### Making Things Move

What makes something move? What speeds it up or slows it down? Find out in this very moving Fun-damental interactive. (Grades K-5)

### Sci Fi Science with Michio Kaku: Shapeshifting Transformer

This video shows Dr. Kaku on a quest to build a real-life shapeshifting transformer as he travels with low riders, examines hydraulic cranes, and observes robots in action. (Grades 9-12)

### MythBusters: Water Displacement: Down with the Titanic

Even sailors believe the force created by a sinking can take a person down with the ship. Learn more about water displacement when the MythBusters team sinks the MythTanic. (Grades 6-12)

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## How to Access Resources

With a few exceptions, most resources listed in this section are available either at PBS LearningMedia or KET ED On Demand, which are both offered via KET EncycloMedia (KET.org/encyclomedia). Instructions for accessing these services are on pages 10-11.

## culture & society

### Living the Story: The Civil Rights Movement in Kentucky

*Personal stories of the fight for racial equality*

Grade Levels:	6-adult
Program Length:	60 minutes
Streams Online:	KET ED On Demand via KET.org/encyclomedia
Website:	KET.org/civilrights

During the 1950s and '60s, the civil rights movement led to profound changes in Kentucky and across America. This documentary, divided into segments, gives students a feel for the times, explains issues that were important in Kentucky, and shows students how people their age made a difference. A 2001 production of Video Editing Services, Lexington, and the Kentucky Oral History Commission of the Kentucky Historical Society.

### Living the Story: The Rest of the Story

*Interviews with civil rights pioneers*

Grade Levels:	6-12
Program Length:	60 minutes
Streams Online:	KET ED On Demand via KET.org/encyclomedia
Website:	KET.org/civilrights/restofstory.htm

Taped for a Kentucky Oral History project, these unedited interviews with Kentuckians featured in *Living the Story* provide eyewitness accounts of life under segregation and of the struggle for racial equality in Kentucky and in America.

#### PROGRAM TITLES

1. Julian Bond
2. Gov. Edward Breathitt
3. Sen. Georgia Davis Powers
4. John Jay Johnson
5. Mervin Aubespin
6. P.G. Peeples
7. Abby Marlatt
8. Blaine Hudson
9. James Howard
10. Jennie and Alice Wilson
11. Raoul Cunningham
12. Audrey Grevious
13. Ann Braden
14. Grace Lewis

### Kentucky Beyond the Color Line

*Revisiting Kentucky civil rights leaders*

Grade Levels:	6-12
Program Length:	60 minutes
Streams Online:	KET.org

Produced ten years after *Living the Story*, this program features updated interviews with civil rights activists who appeared in the original documentary

# economics

## Entrepreneurs in Kentucky

### *Kentucky businessmen and women*

Grade Levels: 1-12  
Program Length: 5-10 minutes  
Streams Online: KET ED On Demand via  
KET.org/encyclomedia  
Print Materials: See below  
Website: econ.org

Segments taken from KET's *Kentucky Life* series provide opportunities for students to learn about the lives of unique businessmen and women living in Kentucky.

A curriculum package including lesson plans, activity sheets and community and curriculum connections for each school level is available for \$35 plus shipping from:

*Kentucky Council on Economic Education, 4010 Dupont Circle, Suite 360, Louisville, KY 40207, Attention: Jan Mester. Phone: (800) 436-3266, Fax: 502-893-4229, E-mail: jan@econky.win.net*

#### **Music**

Tom T. Hall

#### **Arts & Crafts**

James Archambeault  
Rebekka Seigel  
Ed Hamilton  
Stan Schu  
Rose Mary King

#### **Farming**

Sunflower Farm  
Paddlefish  
Double Stink Hog Farm

#### **Tourism**

Fort Boonesborough  
Kentucky Derby Museum

#### **Equine**

Horse Logging  
Jockey Silks

#### **Fast Food**

Sanders Museum and Cafe

#### **Environmental**

Quiet Trails Nature Preserve  
Bernheim Forest

#### **Retail and Service**

Valco's Barge Delivery Service  
Abbey of Gethsemani  
Olde Tyme Toys  
Unity Wear  
Moonlight Barbecue

## Kentucky's National Parks

### *Cross-curricular resources celebrating Kentucky treasures*

Grade Levels: K-12  
Website: KET.org/nationalparks

Online resources, including video segments and classroom activities, provide information about five national parks in Kentucky—Abraham Lincoln Birthplace National Historic Park, Big South Fork, Cumberland Gap National Historical Park, Mammoth Cave National Park, and Trail of Tears National Historic Trail.

## government & civics

### A Bill of Rights: What No Just Government Should Refuse

#### *Civics and government*

Grade Levels: 10-12  
Program Length: 30 minutes  
Streams Online: KET ED On Demand via  
KET.org/encyclomedia

This program recounts the demand for a bill of rights, voiced by Jefferson and Madison, and Madison's struggle against an unwilling Congress to attach such amendments to the new Constitution and relates this history to issues that confront the U.S. today.

# geography

## Kentucky GeoQuest

### *Kentucky geography*

Grade Level: 4  
Program Length: 30 minutes  
Streams Online: KET ED On Demand and Discovery via  
KET.org/encyclomedia

This series shows students the incredible diversity of the state's geographic features and gives them an understanding of how those features have influenced human life—and the ways in which humans, in turn, have affected the land around them.

#### **PROGRAM TITLES**

- 1. A Statewide Ride**
- 2. Natural Gifts**
- 3. The Human Factor**
- 4. My New Kentucky Home**





## Capitol Education

**new!**

*Engaging resources related to Kentucky's state government*

Grade Levels: 3-8  
 Accessible Online: PBS LearningMedia via  
 KET.org/encyclomedia

Introduce your students to the Kentucky State Capitol, the Old State Capitol, and the workings of state government through this collection of short videos and interactives from KET. Topics addressed include the layout of the State Capitol building, the murals recently installed in the Capitol Rotunda, the history of the Old State Capitol, the branches of state government, how a bill becomes a law, and more.

*Available Fall 2013.*



## News Quiz

*Current events*

Grade Levels: 4-8  
 Program Length: 15 minutes  
 Streams Online: *News Quiz* website  
 Broadcast Schedule: **Live weekly broadcast:** Thursdays, September 12-May 22 at 2:00/1:00 pm CT on KET1  
 (Note: No broadcast on November 21; December 19, 26; January 2, April 3) **Weekly broadcast:** Repeats Fridays at 5:00/4:00 am CT on KET1 and 2:00/1:00 pm CT on KET KY  
 Website: KET.org/newsquiz

This weekly KET production features highlights from the past week's top local, national, and international news and includes a multiple-choice quiz concerning aspects of each story.

## U.S. Constitution

*The Constitution as a living document*

Grade Levels: 6-12  
 Program Length: 30 minutes  
 Streams Online: KET ED On Demand via  
 KET.org/encyclomedia

This series, hosted by Bill Moyers, increases students' understanding and awareness of the U.S. Constitution as a vital part of the American heritage and of their own lives. Each program features a dramatic episode in which constitutional law directly affects teenagers.

### PROGRAM TITLES

1. **Limited Government and the Rule of Law**
2. **Federalism**
3. **Separation of Powers with Checks and Balances**
4. **Freedom of Expression**
5. **Equal Protection of the Laws**
6. **The Constitution and the Economy**

## history

### America Past

*Development of America from the Colonial period to the eve of the Civil War*

Grade Levels: 8-12  
 Program Length: 15 minutes  
 Streams Online: KET ED On Demand via  
 KET.org/encyclomedia

This series introduces the people and places important to the social and cultural history of America, from the founding of the 13 original colonies to the factors that led to the Civil War.

### PROGRAM TITLES

1. **New Spain**
2. **New France**
3. **Southern Colonies**
4. **New England Colonies**
5. **Canals and Steamboats**
6. **Roads and Railroads**
7. **The Abolitionists**
8. **The Role of Women**
9. **Social Life**
10. **Moving West**
11. **The Industrial North**
12. **The Antebellum South**

## Colonial Williamsburg Field Trips Season 2013-2014

**new!**

*Bring the past alive in the classroom*

Grade level: 4-12  
 Program Length: 60 minutes  
 Broadcast Schedule: Available at KET.org/tvschedules/  
 Recording Rights: 10 days\*  
 Print Materials: Order at website or call 1-800-761-8331  
 Website: history.org/trips

Teach American history from east to west in the new Electronic Field Trip season from Colonial Williamsburg. The interactive lessons

bring the three branches of the U.S. government, steam-powered warships, the War of 1812, women of the Revolutionary War and more to your classroom. Visit the History & Education section of the Colonial Williamsburg website for a wide variety of classroom resources.

**PROGRAM TITLES**

- The Bill of Rights** (October 2013)
- The Balance of Power** (Broadcast Premiere November 2013)
- Women of the Revolution** (December 2013)
- The Amazing Trade Shop Math Race** (Broadcast Premiere January 2014)
- Harsh World, This World** (February 2014)
- Civil War Ironclads** (Broadcast Premiere March 2014)
- The War of 1812** (April 2014)

*\*Purchasing teacher materials through the website secures extended recording rights.*

## Historic Archaeology: Beneath Kentucky's Fields and Streets

*Digging into the past*



Grade level: 4-12  
 Program Length: 60 minutes  
 Streams Online: KET ED On Demand via KET.org/encyclomedia

Learn what archaeologists have discovered about the daily lives of Kentuckians during the 1800s. Each segment features key scientific findings from the state's top archaeologists. The program is a production of The Kentucky Heritage Council and Kentucky Archaeological Survey.

**SEGMENT DESCRIPTIONS**

- The Frontier Period**
- The Antebellum Period**
- The Civil War Period**
- The Industrialization Period**

The Historic Archaeology collection on PBS LearningMedia features a video segment about an archaeological survey at Henry Clay's Ashland in Lexington, KY and a look at archaeological excavations at Camp Nelson, Kentucky, which served as one of the largest enlistment sites for African-American soldiers during the Civil War, as well as a refugee camp for their families.

## KET Arts Toolkit Collections

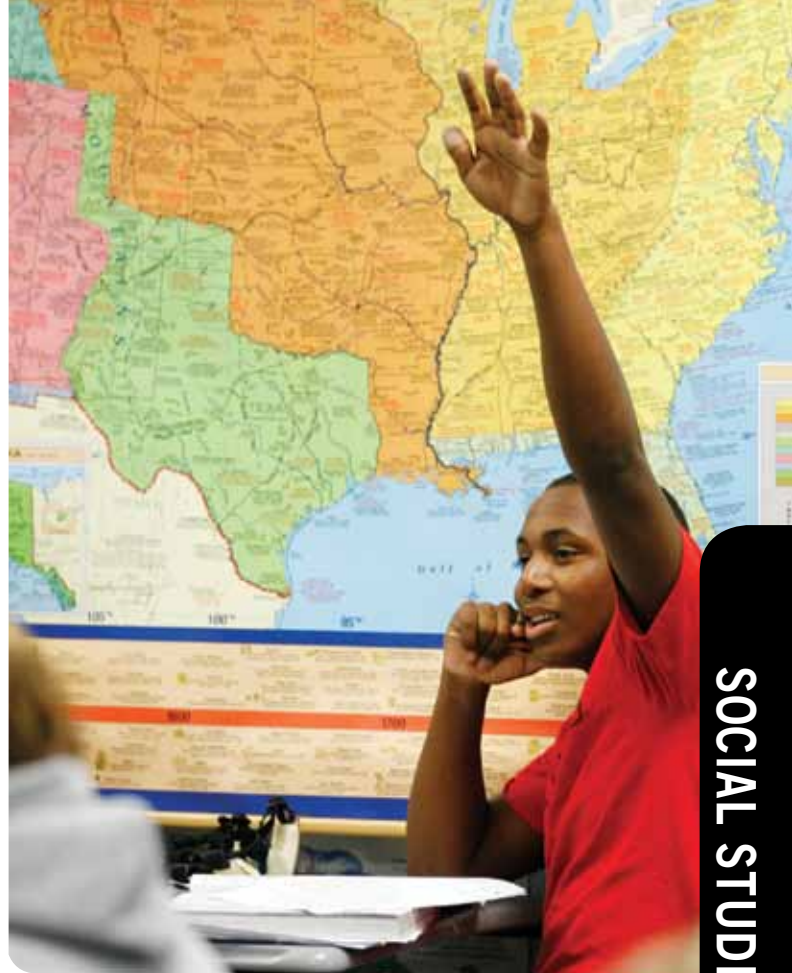
*Now available on KET EncycloMedia*

Streams Online: PBS LearningMedia via KET.org/encyclomedia

Some of the outstanding resources found in the KET Arts Toolkits are now available as special collections in PBS LearningMedia. These video segments would enhance social studies lessons, and are accompanied by background essays, discussion questions, and activity ideas. In some cases new video has been added.

**COLLECTION TITLES**

1. **Native American Culture** (see page 22)
2. **African/African-American Culture** (see page 21)
3. **Arts in the Renaissance** (see page 21)
4. **Japanese Culture** (see page 22)
5. **The Civil War** (see page 22)
6. **Drama Based on Historical Characters** (see page 21)
7. **Early America** (see page 23)
8. **Kentucky Appalachian Culture** (see page 22)
9. **Integrated Teaching** (see page 27)



**SOCIAL STUDIES**

### MORE SOCIAL STUDIES RESOURCES

KET Electronic Field Trips let students see what life was like during various periods in Kentucky history. See pages 29-33 for information about our trips to Fort Harrod and Fort Boonesborough; to Perryville, the site of a pivotal Civil War battle; to the Mountain Homeplace, a replica of a 19th-century farm; to White Hall in Madison County, home of emancipationist Cassius Marcellus Clay; and to the Belle of Louisville, the oldest operating steamboat in the U.S.

If you're looking for a way to introduce students in grades 6-12 to contemporary political figures, check out KET's *Great Conversations*, which features distinguished writers discussing their books. Guests have included Supreme Court Justice Sandra Day O'Connor, former Secretary of State Madeleine Albright, U.S. Senator John McCain, and many others. Episodes are streamed online at [KET.org/arts/authorforum.htm](http://KET.org/arts/authorforum.htm).

KET Arts Toolkits offer many resources that enhance the study of American and world cultures and history. *The World of Dance and Music CD-ROM*, for example, provides information about more than 35 countries and a variety of places in the U.S., along with examples of dances and music associated with these locations. The DVDs in all four toolkits—Dance, Drama, Music, and Visual Arts—contain hundreds of video segments with artworks

## Kentucky in Africa

*The emigration of enslaved Kentuckians to West Africa*

Grade Levels: 4–12  
 Length: 24 minutes  
 Streams Online: KET ED On Demand via  
 KET.org/encyclomedia

This KET *Kentucky Life* special traces the journey of enslaved Kentuckians to Liberia, West Africa during the 1800s, where they formed their own independent country with towns named after American places such as “Kentucky in Africa” and “Clay-Ashland.”

## Kentucky's Story

*Historical perspective on early Kentucky*

Grade Levels: 4–5  
 Program Length: 15 minutes  
 Streams Online: KET ED On Demand via  
 KET.org/encyclomedia  
 Block Feed Schedule: Available at KET.org/education  
 Recording Rights: Unlimited  
 Print Materials: Download at KET.org/education/guides

This series shows what life was like in Kentucky at different times in history, beginning with the American Indians who were here when the first white settlers arrived. The focus is on what a typical 10-year-old might have experienced during the various periods.



### PROGRAM TITLES

1. **Early Kentucky**
2. **The Lure of the Middle Grounds**
3. **Survival of a People**
4. **The Need for Statehood**
5. **Slavery in Kentucky**
6. **Civil War**
7. **Schoolmarm**
8. **Riverboats and Railroads**
9. **The Birthday Party**

## Kentucky's Underground Railroad: Passage to Freedom

**PBS EDDIE AWARD WINNER**

*Trace Kentucky's tracks on the Underground Railroad*

Grade Levels: 4–12  
 Program Length: 60 minutes  
 Streams Online: KET ED On Demand and Discovery via  
 KET.org/encyclomedia  
 Block Feed Schedule: Available at KET.org/education  
 Recording Rights: Unlimited  
 Print Materials: Downloadable at KET.org/education/guides

This documentary tells the stories of Kentuckians who fled slavery and those who helped them.

## Lincoln: The Kentucky Years

*Celebrating Kentucky's native son*

Grade Levels: K-12  
 Print Materials: Online at the project website  
 Website: KET.org/lincoln

Explore Abraham Lincoln's life in Kentucky with these online and DVD resources that can be integrated into social studies classes at all grade levels. The DVD resources include “Lincoln: The Kentucky Years,” a 14-minute video focused on Lincoln's early life in Kentucky, and excerpts from the 90-minute KET documentary, “Lincoln: I, too, am a Kentuckian.” Both DVDs are available from KET.

### WEBSITE CONTENTS

- **Video and Audio Segments** — 31 short video and two audio segments explore various aspects of Lincoln's life and career and include excerpts from some of his most famous speeches, read by actor Sam Waterston. Other segments take students to Camp Nelson, the Civil War military cemetery, and the Mary Todd Lincoln House.
- **Student Features** — These include an illustrated timeline; “FAQs (Fascinating Abe Questions),” interesting Lincoln trivia; and the “Abe Across Kentucky” interactive quiz.
- **K-12 Lesson Plans** — 19 lesson plans and idea cards incorporating Lincoln video segments offer engaging ideas for teaching about Lincoln.

These resources were supported in part by a grant from the Kentucky Abraham Lincoln Bicentennial Commission and the Kentucky Historical Society.



## MISSION US new!

*Learning history through online games*

Grade Levels: 4-8  
Website: [KET.org/missionus](http://KET.org/missionus)

Designed for use at school and at home, these interactive games developed by WNET New York's public media company, give students a new way to experience history. Played individually or collaboratively, the games help students with varying learning styles acquire skills critical for understanding history.

### GAME DESCRIPTIONS

**For Crown or Colony?** — This game immerses students in the world of 1770 Boston before the American Revolution as they take the role of a 14-year-old printer's apprentice who must decide whether to support the Patriots' cause, remain loyal to Britain, or leave Boston for a new job at sea.

**Flight for Freedom** — This mission, set partly in Kentucky and timed to coincide with the Civil War Sesquicentennial, explores the events leading up to the Civil War through Lucy, an enslaved girl who escapes a plantation near Lexington, and then returns to help others via the Underground Railroad.

**A Cheyenne Odyssey** — This mission focuses on Westward expansion from the perspective of one Plains Indian tribe. The player is Little Fox, a Northern Cheyenne boy whose life is changed by the encroachment of settlers, railroad builders, and military expeditions. Players will learn about the persistence of the Cheyenne tribe amid national transformations at the end of the 19th century.

## A State Divided: Exploring the Civil War Through Images new!

*Just in time for the Civil War Sesquicentennial*

Grade Levels: 5-12  
Website: [KET.org/artstoolkit/statedivided](http://KET.org/artstoolkit/statedivided)

KET and the Kentucky Historical Society partnered to create this collection of images relating to the Civil War in Kentucky. A wide array of images is included, from documents and paintings to flags and household objects. Each image is accompanied by background information, a statement of historical significance, discussion questions, and suggestions for use. The resource also includes tips on using images in the classroom.

## Tracks: Impressions of America

*Tracing this country's greatest historical events*

Grade Levels: 4-6  
Program Length: 15 minutes  
Streams Online: [KET ED On Demand via KET.org/encyclomedia](http://KET.org/encyclomedia)  
Website: [ecb.org/tracks](http://ecb.org/tracks)

Two young adults, Isadora and Duncan, investigate U.S. history as they travel by rail across the country. While learning about historical events, they also discover the relevance of those events to the present day.

### PROGRAM TITLES

1. **Trekking Across Our Land**
2. **Spain Comes to America**
3. **Early European Settlements**
4. **Seeds of Revolution**
5. **Independence**
6. **The New Nation**
7. **Westward Ho!**
8. **Divided and United**
9. **The Urbanization of America**
10. **The Road to Mount Rushmore**
11. **America at War**
12. **Changing Times and Modern Industries**

# HELEN'S PICKS: social studies



Education consultant Helen Morrison recommends other resources from [KET.org/encyclomedia](http://KET.org/encyclomedia).

## On PBS LearningMedia

### We the People

This collection of video segments, primary sources, and activities related to understanding the United States Constitution are designed to promote critical thinking and student engagement in learning. (Grades 6-12)

### Looking for Lincoln

This collection of lesson plans, video segments, and activities is focused on the qualities that made Lincoln the man that led the country through the Civil War. (Various grade levels)

### The Supreme Court

This collection of lesson plans, video segments, and activities from the PBS series *The Supreme Court* includes archival footage and interviews with legal historians and experts. The lesson plans included promote close examination of important cases, the concept of precedent and the Fourteenth Amendment. (Grades 6-12)

### Civil Rights

This collection from WGBH includes news footage, primary sources, and interview segments filmed for *Eyes on the Prize* and a few high-quality lesson plans. (Various grade levels)

### Wilson and Ditch

Travel along with Wilson and Ditch as they visit iconic American places and sing songs about American geography. Some activities such as designing a comic strip of your own are included. (Grade 1-4)

### Wide Angle

These documentary video segments from the Wide Angle series are organized by nation and by historical themes. They provide contemporary examples that enrich the study of global history. Lesson plans are included as well. (Grades 9-12)

### American Experience

This collection includes video segments and interactives from television's most-watched history series. (Grades 6-12)

### National Archives

While not organized into a specific collection, the National Archives has contributed numerous primary source documents to PBS LearningMedia and developed several interactives based on documents in their collection. If you are looking for meaningful primary source documents related to American history, you can find them in PBS LearningMedia.

## On Discovery Education

### North America: Top 10

This 2013 special episode of *North America* from Discovery takes viewers to the top 10 natural landmarks in North America as chosen by viewers. Destinations include the Alaskan coastline, the Everglades, and the Grand Canyon. (Grades 6-12)

### All the Presidents Men Revisited

This new video from Discovery uses archival footage, Oval Office recordings, and interviews to explore the events that led to Nixon's resignation. (Grades 9-12)

### Strip the City: Rome

This 2012 video from the Science Channel presents a very thorough exploration of the city of Rome as it stands today and in the past. It includes examinations of the technology that allowed engineers to build the Pantheon, Coliseum, Trevi Fountain, and Via Appia as well as the importance of volcanic geology to the development of the city. (Grades 6-12)

### The PBS NewsHour: Students Remember King's "I Have a Dream" Speech

This brief but powerful video shows a class of 4th graders reciting the "I Have a Dream" Speech on the steps of the Lincoln Memorial.

### The Constitution and Constitution Day: A Beginner's Guide

Learn about the constitution, the three branches of government and the Bill of Rights with Jeffrey and Lilly and their dog, Mr. Beanbody, as they travel back in time. (Grade 5)

### The Video Yearbook Collection

The *Video Yearbook Collection* is an excellent place to locate significant primary source video segments from each year from 1929 to 2005. (Grades 9-12)

### Civilizations

This series of six hour-long videos addresses Western Civilization from the perspective of broader themes. These include the rise to power, leadership, and expansion and conquest. Each episode comes with a comprehensive teacher's guide. (Grade 6-8)



## contents

Hollywood Homeroom: Producing Classroom Videos with Hollywood Magic (K-12)  
 Making Grimm Movies (6-12)  
 Reel Visions: Spotlight on Kentucky Filmmakers

◆ *New or Revised for 2013/2014*

## How to Access Resources

With a few exceptions, most resources listed in this section are available either at PBS LearningMedia or KET ED On Demand, which are both offered via KET EncycloMedia (KET.org/encyclomedia). Instructions for accessing these services are on pages 10-11.

## Hollywood Homeroom: Producing Classroom Videos with Hollywood Magic

*How to use the video camera effectively*

Grade Levels: K-12  
 Program Length: 15 minutes  
 Streams Online: KET ED On Demand via KET.org/encyclomedia

Learn how to use the video camera more effectively, from pre-production planning, to framing shots properly, to editing the finished product.

### PROGRAM TITLES

1. **Getting Started: Choosing a Subject**
2. **Pre-Production**
3. **Getting into Production**
4. **Post-Production**

## Making Grimm Movies

*How to make creative and inexpensive movies/media literacy*

Grade Levels: 6-12  
 Program Length: 20 minutes  
 Streams Online: KET ED On Demand via KET.org/encyclomedia  
 Website: davenportfilms.com

Interviews and examples from the Brothers Grimm folktale films explore using local resources to make inexpensive films. Topics include scripts and storyboards, working actors and crew, selecting locations, and continuity during filming.

### PROGRAM DESCRIPTIONS

1. **Making Grimm Movies** — scripting and editing
2. **Making Grimm Movies** — design: location, sets, makeup, and props
3. **Making Grimm Movies** — production: producing, editing, and directing



## Reel Visions: Spotlight on Kentucky Filmmakers

*Short films produced by Kentuckians*

Grade Levels: 9-12  
 Program Length: 30 minutes  
 Streams Online: KET.org/arts/reelvisions/

Each season of *Reel Visions* features a variety of experimental, documentary, and narrative films ranging in length from one minute to twenty-five minutes. The *Bellewood Youth Film Festival* episode features films created by students ages 12-18 who are required to incorporate an assigned theme, and use a specific word and object in their film. (Note: Many *Reel Visions* episodes deal with adult themes. Preview before using.)



## contents

### Multi-Language

Lyric Language (Primary-6)

### Spanish

¡Arte y más! (Primary)

Language and Culture (Primary)

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Saludos (Primary-5)

The Spanish Media Collection (Primary-12)

### KET Distance Learning

German

Latin

◆ **Amy's Picks: World Languages**

◆ *New or Revised for 2013/2014*

## How to Access Resources

With a few exceptions, most resources listed in this section are available either at PBS LearningMedia or KET ED On Demand, which are both offered via KET EncycloMedia (KET.org/encyclomedia). Instructions for accessing these services are on pages 10-11.

*NOTE: The Kentucky Framework for World Language Learning guides world languages instruction in Kentucky schools. The framework includes five organizing principles: communication, cultures, connections, comparisons, and communities. The following instructional programs are aligned to these principles.*

*For more information about The Kentucky Framework for World Language Learning, please search the KDE website at [education.ky.gov/](http://education.ky.gov/).*

## multi language

### Lyric Language

*Introduction to the Spanish, French, German, and Japanese languages*

Grade Levels: Primary-6  
 Program Length: 20 minutes  
 Streams Online: KET ED On Demand via  
 KET.org/encyclomedia

A combination of original music, bilingual lyrics, and video adventures introduce world languages vocabulary. For instant word comprehension, song lyrics appear on the screen as they are sung, and alternate between English and the other language. An accompanying

teacher's guide, designed for both monolingual and bilingual teachers, provides reproducible student activity pages for world languages or English as a Second Language (ESL).

### PROGRAM TITLES

1. Spanish I, Program 1
2. Spanish I, Program 2
3. Spanish II, Program 1
4. Spanish II, Program 2
5. French I, Program 1
6. French I, Program 2
7. French II, Program 1
8. French II, Program 2
9. Japanese I, Program 1
10. Japanese I, Program 2
11. German I, Program 1
12. German I, Program 2
13. German II, Program 1
14. German II, Program 2

## spanish

### ¡Arte y más!

*A KET primary-level Spanish language course*

Grade Levels: K-Primary  
 Program Length: 10 minutes  
 Streams Online: KET ED On Demand and Discovery via  
 KET.org/encyclomedia

Sra. Alicia Vincent and Susana, a friendly iguana, teach Spanish to primary students by immersing them in the language—all instruction is in Spanish—and engaging them in arts and humanities lessons. Students acquire Spanish vocabulary and grammar while learning about basic concepts in dance, music, drama, and the visual arts.

Level 1 (Programs 1-26) uses introductory-level language and focuses on movement concepts. Level 2 (Programs 27-60) deals with visual arts, music, and drama.

Program 0, conducted entirely in English, introduces students and teachers to ¡Arte y Más!. A professional development component, Program 61, focuses on the theory of how children acquire a second language and practical implementation tips for classroom usage.



# Languages and Culture

*KET primary teaching resources for Spanish language introduction*

Grade levels: Pre-K-Primary  
Streams Online: PBS LearningMedia  
Print Materials: Downloadable at PBS LearningMedia

Designed for use by both monolingual and bilingual teachers, these engaging short videos excerpted from *¡Arte y más!*, introduce or reinforce Spanish vocabulary and Latin American culture. Videos are accompanied by teaching tips and student activities and handouts.

## RESOURCE TITLES

1. Can you do what I do?
2. Hot chocolate
3. Count with me
4. Fun with faces
5. Black and white
6. Dancing hands
7. Singing with Sr. Enrique
8. Do you like molas?
9. The magic box
10. Paint my portrait
11. Goldilocks en Español
12. Singing the colors
13. Counting bears

## Destinos

*An introduction to Spanish*

Grade Levels: 9-12  
Program Length: 30 minutes

A continuing story immerses students in the diversified cultural context in which Spanish is spoken while helping them become more proficient listeners, speakers, readers, and writers. Early episodes use both English and Spanish, but by episode 13, only Spanish is spoken.

### PROGRAM DESCRIPTIONS

#### UNIT I: Programs 1-2

Vocabulario: cognates; family members

Gramática: ser; articles and gender; possession

#### UNIT II: Programs 3-6

Un viaje a Sevilla, España

Vocabulario: numbers (0-20); academic subjects; animals; days of the week; telling time

Gramática: hay; estar; ir; present tense (regular verbs); subject pronouns; personal a; interrogatives; adjectives

#### UNIT III: Programs 7-11

Un viaje a Madrid, España

Vocabulario: clothing; numbers (21-99); interrogatives; months; seasons; colors; descriptive adjectives

Gramática: saber; conocer; present tense (irregular verbs, stem-changing verbs, reflexive pronouns); more on possession; demonstratives; more on using adjectives; ser and estar

#### UNIT IV: Programs 12-18

Un viaje a Argentina

Vocabulario: numbers (100-1000); food groups (meat, fish, fruits, vegetables, others); writing and written works

Gramática: preterite tense; direct and indirect object pronouns; prepositions; pronoun objects of prepositions; using adjectives; verbs used reflexively and nonreflexively; gustar and verbs like it; two object pronouns together

### UNIT V: Programs 19-26

Un viaje a Puerto Rico

Vocabulario: directions; more family members; weather; changes in state or condition; parts of a house; domestic appliances; more descriptive adjectives

Gramática: present and past progressive; imperfect; imperfect and preterite together; por and para; affirmatives and negatives; idioms with tener; comparisons; estar and sentirse with adjectives; acabar de; hacer, hacer É que; al + infinitive

## Saludos

*Beginning Spanish*

Grade Levels: Primary-5  
Program Length: 15 minutes  
Streams Online: KET ED On Demand via  
KET.org/encyclomedia

This series emphasizes oral communication, with each program introducing a limited number of words and grammatical structures. It creates a positive attitude toward world languages learning, models correct pronunciation, introduces practical Spanish phrases, and highlights the history and culture of some Hispanic countries. Teacher materials include words and music for songs, copies of recipes, activity sheets, and audio files for all lessons.

### PROGRAM TITLES

1. ¡Hola! ¿Cómo estás? (Hello! How are you?)
2. ¿Cómo te llamas? (What is your name?)
3. Mi familia (My family)
4. La visita de abuelita (Grandmother's visit)
5. ¿Cuántos años tienes? (How old are you?)
6. La ropa de niñas (Clothing for girls)
7. Los regalos (The presents)
8. Vamos a repasar (Let's review)
9. Más números (More numbers)
10. El supermercado (The supermarket)
11. La carta (The letter)
12. La fiesta mejicana (The Mexican party)
13. Los días de la semana (The days of the week)
14. Los animales (The animals)
15. Vamos a comer (Let's eat)
16. Vamos a repasar II (Let's review II)
17. La biblioteca (The library)
18. Las partes del cuerpo Part I (The parts of the body: Part I)
19. Las partes del cuerpo Part II
20. La clase (The classroom)
21. ¿Cómo está el tiempo? (How's the weather?)
22. Entra a mi casa (Enter my house)
23. Vamos a repasar III (Let's review III)
24. Vamos a dibujar (Let's draw)
25. Vamos al campo (Let's go to the country)
26. Vendo gorras (I sell caps)
27. Vendo frutas (I sell fruits)
28. Vamos de compras (Let's go shopping)
29. Vamos a repasar IV (Let's review IV)
30. ¿Qué hora es? (What time is it?)
31. Los meses del año (The months of the year)
32. Las cuatro estaciones (The four seasons)
33. Una visita (A visit)
34. ¿Qué haces en casa? (What do you do at home?)
35. Vamos a repasar V (Let's review V)
36. Memorias (Memories)

# The Spanish Media Collection

Grade Levels: Primary-12  
Program Length: 4-28 minutes  
Streams Online: KET ED On Demand via  
KET.org/encyclomedia

These Spanish-language adaptations of outstanding children's books have multiple uses for Spanish or ESL teachers who want to introduce Spanish or English vocabulary, emphasize translation skills, and provide rich experiences for students.

## PROGRAM TITLES

1. **La Maravillosa Grace** (Amazing Grace)
2. **La Oruga Y El Renacuajo** (The Caterpillar and the Polliwog)
3. **Charlie Necesita Una Capa** (Charlie Needs a Cloak)
4. **Jorge El Monito Ciclista** (Curious George Rides a Bike)
5. **Danielito Y El Dinosaurio** (Danny and the Dinosaur)
6. **El Dia En Que La Boa De Jimmy Se Comio' La Lavada**  
(The Day Jimmy's Boa Ate the Wash)
7. **Doctor De Soto** (Doctor De Soto)
8. **Owen** (Owen)
9. **El Sombrero** (The Hat)
10. **Aqui Viene El Gato!** (Here Comes the Cat! )
11. **El Hipopotamo Tiene Calor** (Hot Hippo)
12. **La Cocina De Noche** (In the Night Kitchen)
13. **Chrysanthemum** (Chrysanthemum)
14. **Joey Se Escapa** (Joey Runs Away)
15. **La Gallinita Roja** (The Little Red Hen)
16. **Los Patitos Encuentran Un Hogar** (Make Way For Ducklings)
17. **La Navidad De Max** (Max's Christmas)
18. **Miguel Mulligan Y Su Pala De Vapor** (Mike Mulligan and His Steam Shovel)
19. **Millones De Gatos** (Millions of Cats)
20. **Monty** (Monty)
21. **El Hombre De La Luna** (Moon Man)
22. **La Cocina de Chato** (Chato's Kitchen)
23. **El Huevo Mas Bonito Del Mundo** (The Most Wonderful Egg in the World)
24. **Silvestre Y La Piedrecita Magica** (Sylvester and the Magic Pebble)
25. **Max El Prodigio Musical** (Musical Max)
26. **Nora, La Bulliciosa** (Noisy Nora)
27. **La Historia Del Patito Ping** (The Story About Ping)
28. **El Muneco De Nieve** (The Snowman)
29. **La Sopa De Piedras** (Stone Soup)
30. **Los Tres Bandidos** (The Three Robbers)
31. **El Paseo De Rosita** (Rosie's Walk)



# KET distance learning

## Chinese

### *Teaching listening, speaking, reading, and writing skills*

KET's Chinese classes, Mandarin Chinese I and II, offer high school students the chance to learn how to speak Chinese while studying the country's history and culture. Students participating in this course get the chance to regularly speak to an instructor and tutors while making their way through the lessons. KET recommends that the Chinese courses be taken over a full year. For more information, see the description in the Distance Learning section beginning on page 70.

## German

### *Winner of an Innovation in Public Media grant from CPB*

KET's interactive, multimedia German classes offer middle and high school students the opportunity to join a community of learners where they can speak, listen, write, and read in the language. Video instruction is resented in a cultural context, and Internet platforms allow students to collaborate with fellow learners across the state and around the country. German I, German II, and German III can be taken on a full-year or block schedule. For more information, see the description in the Distance Learning section beginning on page 70.

## Latin

### *Helping students outperform peers on the SAT*

KET's distance learning Latin courses—Latin I, II, III, and AP Latin-Caesar—are interactive multimedia classes that can be taken on full-year or block schedules. Latin grounds students in the vocabulary and structure of modern European languages, helps them understand the technical vocabulary of the sciences, and offers a window into Roman culture, history, and literature. According to recent Educational Testing Service research, Latin students consistently outperform their peers on the verbal section of the SAT. A similar effect has been documented among students taking the ACT. For more information, see the description in the Distance Learning section beginning on page 70.

## Spanish

### *Teaching language, perspectives, practices, and traditions*

Spanish I introduces students to Spanish through common expressions, vocabulary, and grammar rules. Students practice speaking, reading, listening, and writing in Spanish, and have opportunities for authentic conversation in Spanish with a tutor. Students also learn cultural traditions, practices, and perspectives of the Spanish-speaking world. Spanish II will be available in 2014-15. For more information, see the description in the Distance Learning section beginning on page 70.

# AMY'S PICKS: world languages



Education consultant Amy Grant recommends other resources from [KET.org/encyclomedia](http://KET.org/encyclomedia).

## On PBS LearningMedia

### Oh Noah!

This collection of three-minute animated videos with embedded games is designed to teach Spanish vocabulary to children ages six to eight. In each video, a misunderstanding launches a comic misadventure. Although—like Noah—students may not understand all the Spanish dialogue, they still can comprehend the story through its rich visual storytelling, much like a silent movie. Another game on the website, “How Do You Say...?” helps kids learn common Spanish expressions. (Grades K-3)

### World Languages and Culture Collection (¡Arte y Mas!)

These video resources introduce primary students to Spanish by immersing them in the language—all instruction is in Spanish—and by engaging them in participatory lessons addressing arts and humanities content. (Grades K-3)

### Learning from the People

These rich, multi-disciplinary educational resources in science, literacy and language, arts, and social studies from ECHO (Education through Cultural and Historical Organizations) provide life-enhancing learning in and out of the classroom, strengthening knowledge of local culture and identity. (Grades 6-9)

### Regents Review 2.0

Prepare your students for real-life speaking situations with this collection showcasing conversational Italian, French, and Spanish. (Grades 9-12)

## On Discovery Education

### Discovery Atlas Interactive Map

This Discovery Education interactive map provides thousands of videos about the culture, government, history, and environment of other countries. (Grades K-12)

### “Extra” Series

This 13-episode sitcom-inspired series follows Sam through his arrival in a foreign country, trying to shop, date, get a job, meet family, play sports and more. Basic vocabulary is presented in meaningful, real-world, easy to comprehend situations. All 13 episodes are available in Spanish, German, and French. (Grades 9-12)

### How to Study Cultures

This four-part video series helps students understand other cultures. Topics include beliefs and values, economic activities, geography, and social organizations. (Grades 9-12)

### Elementary Spanish

This extensive collection offers leveled units that complement and build off each other, benefitting both beginners and those who have previously studied Spanish. (Grades K-8)

# DISTANCE LEARNING

## DISTANCE LEARNING

All KET Distance Learning courses are taught by certified Kentucky teachers with years of experience in traditional and online instruction who are easily accessible to students by email, Skype, and telephone.

KET's online courses primarily target high school students; however, with the permission of the teacher, they are also available to highly motivated seventh and eighth graders.

Internet access, preferably via broadband, is required for all courses.

Schools can enroll individual students or classes of students because KET courses are customized to start and end according to school calendars. Students receive a numerical grade based upon their performance, and each school provides the appropriate letter grade.

Although for 24 years KET has been able to provide Kentucky with rigorous, college-preparatory courses without charging registration fees, during the 2013-2014 year there will be a per student fee of \$100 per course. Schools registering 10 or more students for the same course will receive a discounted rate of \$50 per student. Because KET courses contain rich multimedia and students engage using multiple ways of learning, schools and families are still getting a tremendous value for their investment. Without a facilitator, the cost remains \$200 per student, per course.

## EXPANDING COURSE CATALOG!

KET now offers

- Mandarin Chinese II
- Spanish I

These courses join

- Arts in Culture: History and Performance of Visual and Performing Arts
- Mandarin Chinese I
- German I, II, and III
- Latin I, II, III, IV, and AP® Latin: Caesar
- Honors Physics and AP® Physics B

## REGISTRATION INFORMATION

Guidance counselors can register students directly through KET. Visit [dl.KET.org/\\_counselors.htm](http://dl.KET.org/_counselors.htm), or call Linda Hofacker at 800-333-9764.

Depending on the course, there may be fees for course materials and books.





## Arts and Humanities

### ARTS IN CULTURE: HISTORY AND APPRECIATION OF VISUAL AND PERFORMING ARTS

A rich, multimedia online course that fills the minimum state graduation requirement in arts and humanities  
[dl.KET.org/courses\\_humanities.htm](http://dl.KET.org/courses_humanities.htm)

This course features an engaging mix of video segments, chiefly from the KET Arts Toolkits; printed materials; interactive games; podcasts; and royalty-free photographs. It also includes many challenging writing assignments and projects. To foster creativity, communication, and collaboration in a virtual environment, assignments and assessments (both formative and summative) are tied to higher-order thinking skills. Call KET Distance Learning at 800-333-9764 for information about dual credit.

## Chinese new!

### MANDARIN CHINESE I AND II

Introducing students to the Chinese language, history, and culture  
[dl.KET.org/courses\\_chinese.htm](http://dl.KET.org/courses_chinese.htm)

In this course, students listen, speak, read, and write Chinese through diverse activities. Simple grammatical structures are practiced in engaging ways with a variety of learning styles in mind. Students and conversation coaches engage in weekly practice sessions. Lessons in culture help students understand the context of the language. Because the courses are so challenging, KET recommends that students take it over a full year. However, with instructor permission, motivated students can take the course on a block schedule.

### What our students are saying...

"I got a 5 on the AP Physics B exam! Couldn't have asked for a better class. ...[It] was extremely well organized and there were more resources at my disposal than I had the time to use. [We] also greatly appreciated your frequent humor. Thanks for everything!"

"As I hung up my cap and gown a moment ago, I began to reflect on the past year... As a direct result of taking your class (Arts and Humanities), I have discovered and embraced what seems to be a whole new world. Learning about and experiencing artworks of so many different styles and forms, as well as the cultures and personal experiences that inspired them, has led me to make innumerable, invaluable discoveries, and I sincerely hope to continue this trend throughout the remainder of my life."



Der Tutorcast - KET's regularly scheduled podcast for developing listening skills in German.

## German

### GERMAN I, II, AND III

*Three levels of engaging instruction and interaction with a community of German speakers*

[dl.KET.org/courses\\_german.htm](http://dl.KET.org/courses_german.htm)

You're never alone when you learn German through KET Distance Learning. You're part of a lively community led by Herr John Krueger and his college-level tutors who provide opportunities to speak, read, listen, and create projects in German. Students also have opportunities to collaborate with other students within Kentucky and across the globe. The courses are structured around video instruction and make use of a variety of other instructional formats, including videotaped skits, podcasts, and social media sites. Lessons are in modules so students can have a choice in personalizing their instruction. All courses are available in block and full year.

## Latin

### LATIN I, II, III, IV, AND AP® LATIN: CAESAR

*An array of options from better understanding the roots of English to receiving college credit for studying Virgil and Caesar*

[dl.KET.org/courses\\_latin.htm](http://dl.KET.org/courses_latin.htm)

Learning Latin improves students' abilities to decode English words and prepares them to study other world languages. In addition, the

## What our students are saying...

"I really appreciate the way the German tutors work to make the students feel at ease and especially for taking time to help them understand that it's ok to not always know the answers as long as they do their best." —Facilitator

"I just got the results from my National Latin Exam! It turns out I only got one wrong, so I'm going to get a gold medal ... thank you. I know that your teaching was a major factor in my doing well on the exam!"

## RESOURCES FOR CLASSROOM TEACHERS FROM KET DISTANCE LEARNING

- Virtual Physics Labs at [virtuallabs.KET.org/physics/](http://virtuallabs.KET.org/physics/) (subscription)
- Arts & Humanities at [dl.KET.org/courses\\_humanities.htm](http://dl.KET.org/courses_humanities.htm) (free with registration)
- Arts & Humanities at [dl.ket.org/humanities/resources/](http://dl.ket.org/humanities/resources/) (free)
- Latin at [dl.KET.org/latin1/links/](http://dl.KET.org/latin1/links/) (free)

study of Latin often improves students' performance on standardized achievement tests. Magistra Ann Denny, aided by college- and graduate-level tutors, communicates with students at regular intervals by phone, Skype, and email. The courses are structured around engaging video instruction and make use of a variety of other instructional formats including songs that provide mnemonic devices and podcasts. All courses are available in block and full year.

## Physics

### HONORS PHYSICS AND AP® PHYSICS B

*Instruction with hands-on lab components engage students in critical thinking and problem-solving activities that can lead to the opportunity to receive college credit*

[dl.KET.org/courses\\_physics.htm](http://dl.KET.org/courses_physics.htm)

AP® Physics B provides rigorous preparation for the AP® test and the Medical College Aptitude Test with a combination of video lectures, demonstrations, interactives, and problem-solving assignments. Honors Physics is designed for students who want an advanced course but do not intend to take the AP® test. Although it uses the same materials as AP® Physics B, it only covers about half the topics. Honors Physics is available in block and full year, but AP® Physics B must be taken as a two-semester course.

Both physics courses make use of the Virtual Physics Labs, which provide engaging, in-depth approaches to learning physics. The courses are designed for independent study with maximum interaction with physics teacher, Chuck Duncan.

## Spanish



### SPANISH I

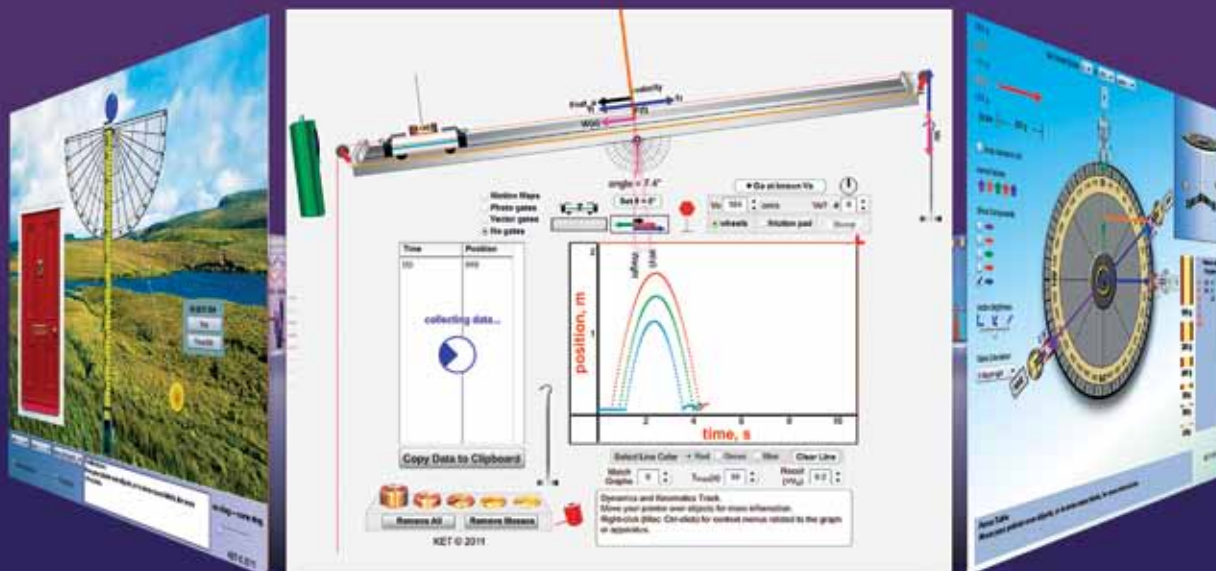
*Introducing students to the language and traditions of the Spanish speaking world*

[dl.KET.org/](http://dl.KET.org/)

Spanish I introduces students to Spanish through common expressions, vocabulary, and grammar rules. Students practice speaking, reading, listening, and writing in Spanish, and have opportunities for authentic conversation in Spanish with a tutor. Students also learn cultural traditions, practices, and perspectives of the Spanish-speaking world. Spanish II will be available in 2014-15.



# VIRTUAL PHYSICS LABS



## Tools for Phenomenal Learning

By popular demand, Chuck Duncan has made the online, virtual, interactive labs that accompany his courses available as stand-alone resources for teachers. The KET physics team designed the Virtual Lab apparatus to simulate real lab apparatus and in most cases to extend it. The labs investigate velocity; dynamics; circular motion; momentum; calorimetry; gas laws; waves; electrostatic forces; magnetic forces, fields, and induction; refraction; diffraction; radioactivity; buoyancy, equilibrium of torques, equilibrium of forces and pendulums. New this year are simple harmonic motion, electric fields, DC circuits, and Faraday's Law.

The Virtual Physics Labs allow teachers low-cost opportunities to enhance their lab offerings and fill in any gaps in their equipment list, create pre-lab activities to prepare students for live or virtual

labs, create concept discovery and development activities that put control over learning in students' hands, use the labs with a projection system for classroom demonstrations, and create blended learning opportunities by including links to the site in their classroom web pages.

Teachers can readily use these labs in their instruction because the physical science content is strong, the graphics are engaging, the accompanying lab documents are in line with college level lab work and are adaptable to other grade levels, and they include data collection and analysis. There is plenty of opportunity for students to use critical thinking skills and perform "what if" experiments (with no threat of bodily harm!).

### Fees

The Virtual Physics Labs are available for a minimal subscription fee of \$50 per school in Kentucky. The subscription fee includes unlimited student passwords.

**Check out the labs at [dl.KET.org/physicslabs/labs/](http://dl.KET.org/physicslabs/labs/)!**

## contents

### Online Self-Paced Modules

GED® Geometry Professional Development Course

Increasing Physical Activity in Schools

◆ New to Kentucky: An Overview for Incoming Teachers

◆ Professional Learning for Peer Observers

◆ Promoting Positive Behavior in Schools

Unbridled Learning: College/Career Readiness for All

• Transforming Education: Components of SB1

• Program Reviews: Purpose, Process, and Practice

• Formative Assessment in Practice

• Operation Preparation

Using Scale City to Teach Proportional Reasoning

### Professional Development Resources

Art to Heart

Art to Heart Training Modules

Characteristics of Highly Effective Teaching and Learning

Integrated Teaching

Literacy Central

Kentucky Principals, Leading by Example

Literacy Leadership: Stories of Schoolwide Success

Literacy Strategies in Action: Resources for Primary Teachers

Literacy Without Limits: Help for Struggling Students, Grade 4-12

Raindrops to Rivers

◆ Site Based Decision Making

### Special Programming

Before It's Too Late: Preventing Teen Suicide

◆ Education Matters

◆ Health Three60

More Than Child's Play: Why Physical Activity Matters

◆ Safe and Sound: Protecting Children from Toxic Stress

◆ Well Fed: Nourishing Our Children for a Lifetime

◆ *New or Revised for 2013/2014*

### How to Access Resources

With a few exceptions, most resources listed in this section are available either at PBS LearningMedia or KET ED On Demand, which are both offered via KET EncycloMedia (KET.org/encyclomedia). Instructions for accessing these services are on pages 10-11.

KET provides many professional development resources for Kentucky teachers, including video-based seminars and resources produced by KET and online modules developed and offered through a collaboration between the Kentucky Department of Education and KET.

## online self-paced modules

KET's user-friendly online modular format—introduced in 2010—enables teachers to earn professional development credit at their own pace and time. These modules can also be used by professional learning communities and integrated, in whole or in part, into facilitated group sessions. All KET modules feature video segments, interactive activities, reflection questions, resources for more exploration, and quizzes; most are free. Certificates of completion are available to teachers as they complete modules and required quizzes.

## GED® Geometry Professional Development Course

**Audience:** Adult educators (middle and high school teachers may also find the course useful)

**Accessible Online:** PBS LearningMedia via KET.org/encyclomedia

**Focus Areas:** Mathematics, geometry, measurement

This course provides a concise geometry review along with advice on presenting the material to students. Concepts covered include measurement; lines, angles, and triangles; perimeter, area, and volume; and the coordinate plane. Four self-paced modules consist of four to eight lessons, each of which includes teaching tips, interactive practice activities, video segments from KET's *GED Connection*, a skill summary sheet, sample GED® questions, and a glossary of key terms.

## Annenberg Learner Professional Development

A wide variety of high quality professional development workshops and accompanying resources are available free online from Annenberg Learner at [www.learner.org](http://www.learner.org). Two of special interest to language arts teachers were produced by KET with funding from Annenberg/CPD. DVDs and guides for each, as well as for Annenberg's complete collection, are available at 1-800-LEARNER or [www.learner.org](http://www.learner.org). Some Annenberg resources will also be available on PBS LearningMedia (described on page 10).

## Increasing Physical Activity in Elementary Schools

Audience: Teachers, parents, and administrators  
Accessible Online: PBS LearningMedia via [KET.org/encyclomedia](http://KET.org/encyclomedia)  
Focus Areas: Physical education, health, practical living, cross-curricular integration

Physical activity supports learning, on-task behavior, and life-long wellness. This module offers tools for increasing levels of physical activity—which supports learning, on-task behavior, and life-long wellness—throughout the school culture. Video and text highlight strategies for incorporating exercise into existing structures such as recess, after-school programs, and school parties and for increasing physical activity into curricula and daily routines.

## New to Kentucky: An Overview for Incoming Teachers

Audience: Certified teachers new to Kentucky  
Accessible Online: PBS LearningMedia via [KET.org/encyclomedia](http://KET.org/encyclomedia)  
Available: Fall 2013  
Focus Areas: Teacher certification, education reform, Common Core/Kentucky Academic Standards, formative assessment, professional learning communities

Created by the Educational Professional Standards Board and KET, this six-module course offers a guide to transferring certification as well as an overview of Kentucky education, including a primer on the new Kentucky Academic Core Standards, on using classroom assessments to guide instruction, and on the role of professional learning communities.

## Professional Learning for Peer Observers

Audience: P-12 educators  
Accessible Online: PBS LearningMedia via [KET.org/encyclomedia](http://KET.org/encyclomedia)  
Focus Areas: Peer observation

Peer observation is an important part of the Teacher Professional Growth and Effectiveness System, yet it differs from supervisor evaluations because it is a formative process—teachers receive the feedback they want and need to improve instruction using the Kentucky Adapted Framework for Teaching. This new self-paced professional development introduces teachers to the role of the peer observation within the TPGES and helps teachers learn the skills necessary to become effective peer observers. *Available fall 2013.*

## Promoting Positive Behavior in Schools

Audience: P-12 educators and all personnel  
Accessible Online: PBS LearningMedia via [KET.org/encyclomedia](http://KET.org/encyclomedia)  
Focus Areas: Positive supports and interventions

This free course focuses on behavioral supports and interventions all school personnel can use to create a positive environment for teaching and learning and includes strategies for use in schools, classrooms, and with individual students. It responds to Kentucky Law

704 KAR 7:160 Use of Physical Restraint and Seclusion in Public Schools requiring all certified and non-certified school personnel in Kentucky to have annual training in the use of positive behavioral supports and interventions.

## Unbridled Learning: College/Career Readiness for All

Audience: P-20 educators, site-based council members, and parents  
Accessible Online: PBS LearningMedia via [KET.org/encyclomedia](http://KET.org/encyclomedia)  
Focus Areas: Education reform, Common Core/Kentucky Academic Standards, program reviews, assessment, teacher effectiveness, struggling schools, and career readiness

This special multimedia collection disseminates timely information about changes in teaching and learning in Kentucky. Currently this collection includes four sets of modules, described below.

### MODULE DESCRIPTIONS:

#### Transforming Education: Components of Senate Bill 1 (rs 2009)

Learn what Senate Bill 1 (2009), the next generation of school reform, means for Kentucky classrooms. Topics include a general overview, changing state standards, effective teachers and school leaders, assessment literacy, assessment and accountability, turning around struggling schools, and career readiness.

#### Program Reviews: Purpose, Process, and Practice

The first two modules provide an overview of goals, processes, and procedures of program reviews. The last three, which feature video recorded in Kentucky classrooms, provide information for teachers and administrators on program reviews of arts and humanities, practical living/career studies, and writing portfolios.

#### Formative Assessment in Practice

This new four-module set features video from diverse Kentucky schools where formative assessments are leading to positive changes in instruction and interviews with teachers and administrators about strategies for planning, implementing, and assessing learning using formative assessments. The four modules, all of which include reflection activities for professional learning, are Overview, Instructional and Administrative Leadership, Elementary Classrooms, and Secondary Classrooms.

#### Operation Preparation: Volunteer Training

Two modules designed to help community volunteers advise students about college and careers

## Using Scale City to Teach Proportional Reasoning

Audience: Upper elementary and middle school math teachers  
Accessible Online: PBS LearningMedia via [KET.org/encyclomedia](http://KET.org/encyclomedia)  
Focus Areas: Mathematics, proportional reasoning

Three self-paced modules demonstrate effective classroom use of *Scale City: The Road to Proportional Reasoning*, KET's multimedia resource for middle school mathematics ([scalecity.org](http://scalecity.org)). Two modules feature video of an experienced teacher working one-on-one with students on problems requiring proportional reasoning and prerequisite skills.

# professional development resources

KET's CD, DVD, and online resources provide facilitators, coaches, and pre-service faculty with authentic video of research-based practices along with lesson plans, facilitator guides, and other resources. Find out how to order these resources at [KET.org/profdev](http://KET.org/profdev) or email [pd@ket.org](mailto:pd@ket.org).

## Art to Heart

**Audience:** Teachers of infants through primary (K-3)  
**Program Length:** 30 minutes  
**Streams Online:** KET ED On Demand via [KET.org/encyclomedia](http://KET.org/encyclomedia)  
**Website:** [KET.org/arttoheart](http://KET.org/arttoheart)  
**Focus Areas:** Dance, drama, music, visual arts, brain development, literacy, children with special needs

This KET series explores the importance of the arts in the lives of young children and provides ideas and information for parents, caregivers, and early childhood teachers. The *Art to Heart* viewer's guide and website offer discussion questions, additional research, activity ideas, and other resources.

### PROGRAM TITLES

1. **Children's First Language**
2. **Visual Arts**
3. **Music**
4. **Movement and Dance**
5. **Drama and the Literary Arts**
6. **The Artful Environment**
7. **Arts for Learning**
8. **Arts Every Day**

## Art to Heart Training Modules

**Audience:** Early childhood trainers and early childhood college courses to use in training/teaching early childhood educators and parents  
**Purchase:** call KET Early Childhood at (800) 945-9167 or (859) 258-7451  
**Focus Areas:** Dance, drama, music, visual arts, brain development, literacy, children with special needs

These modules provide a foundation for understanding how creative activities such as visual art, dance, music, and drama are connected to early learning and brain development. Each module contains a training plan, a PowerPoint presentation with embedded video, standards correlations, participant handouts, activity instructions, needs assessment, evaluation form, and participant certificate. The first seven contain Level 3 content and teach knowledge and skills similar to that addressed in CDA and AA degree programs. The eighth module, training segments designed for parents, reflects Level 1 content.



## Characteristics of Highly Effective Teaching and Learning

**Audience:** Teachers and administrators  
**Accessible Online:** PBS LearningMedia via [KET.org/encyclomedia](http://KET.org/encyclomedia)  
**Focus Areas:** High quality instruction, literacy, math, higher order thinking, ILP

This collection of learning objects illustrates and facilitates high-quality instruction as described in *The Characteristics of Highly Effective Teaching and Learning*, available under "Instructional Resources" at the Kentucky Department of Education website ([education.ky.gov](http://education.ky.gov)). Five categories for teachers and students are explored: learning climate, assessment and reflection, instructional rigor and student engagement, instructional relevance, and content knowledge.

## Integrated Teaching

*Bringing social studies and arts together in the classroom*

**Audience:** Teachers  
**Accessible Online:** PBS LearningMedia via [KET.org/encyclomedia](http://KET.org/encyclomedia)

This collection features classroom examples that demonstrate how to integrate the arts into other content areas including an English/language arts lesson in which students create a dance based on a Native American story and a social studies lesson that uses a painting to inspire third graders to think more deeply about the Lewis and Clark expedition. Teacher guides accompany the video segments.

## Literacy Central

**Audience:** School literacy teams, teachers, and administrators  
**Accessible Online:** PBS LearningMedia via [KET.org/encyclomedia](http://KET.org/encyclomedia)  
**Focus Areas:** Literacy and key elements of successful literacy programs

This new collection is designed to help schools develop and implement literacy teams and plans. It includes the interactive Literacy Plan for Kentucky, developed by the Kentucky Department of Education, which can be used by professional learning communities and/or literacy teams to start and monitor the planning process. The Literacy Plan is fully integrated with the nine elements of the Literacy Program Effectiveness Review for Kentucky Schools (PERKS) and includes KET-produced video of best practices in literacy teaching plus activities that promote discussion and reflection.

## Kentucky Principals, Leading by Example

Audience: K-12 Principals and aspiring principals  
DVD: e-mail [pd@ket.org](mailto:pd@ket.org) (limited quantities available)  
Website: [KET.org/principals](http://KET.org/principals)  
Focus Areas: Instructional leadership, School Administration Manager (SAM) program

This program, which includes authentic video of Kentucky principals at work, showcases the partnership among the Kentucky Department of Education, Kentucky colleges of education, and the Educational Professional Standards Board to reform principal preparation programs and enable principals to become instructional leaders in their schools.

## Literacy Leadership: Stories of Schoolwide Success

### NETA AWARD FOR INSTRUCTIONAL MEDIA

Audience: K-12 principals and instructional leaders  
CD-ROM: e-mail [pd@ket.org](mailto:pd@ket.org) for information  
Website: [literacyleadership.org](http://literacyleadership.org)  
Focus Areas: Literacy, instructional leadership

To learn what successful literacy leadership looks like, KET and the Kentucky Department of Education examined literacy programs at nine Kentucky schools with documented gains in student literacy. Available online and on CD-ROM (contact [pd@ket.org](mailto:pd@ket.org) to order), this resource includes authentic classroom video clips and interviews with principals, teachers, literacy coaches, and others about their approach to improving student performance.

## Literacy Strategies in Action: Resources for Primary Teachers

### NETA AWARD FOR PROFESSIONAL DEVELOPMENT

Audience: Primary teachers  
CD-ROM: One copy has been distributed to every Kentucky elementary school; e-mail [pd@ket.org](mailto:pd@ket.org) for more information  
Focus Areas: Reading strategies, reading-writing connection

Over 100 classroom video clips focus on five essential skills (phonological awareness, phonics, fluency, vocabulary, and comprehension) and on connecting writing with reading and teaching in a multi-age classroom.

## Literacy Without Limits: Help for Struggling Students, Grade 4-12

### NETA AWARD FOR INSTRUCTIONAL MEDIA

Grade Levels: Teachers of grades 4-12  
CD-ROM: e-mail [pd@ket.org](mailto:pd@ket.org) for information  
Website: [literacywithoutlimits.org](http://literacywithoutlimits.org)  
Focus Areas: Reading strategies, literacy across the curriculum

More than 90 authentic classroom video clips recorded in multiple content areas and classroom settings focus on meeting the needs of students with identified literacy needs. Additional resources include a guide to scaffolding reading strategies and a trainer's guide for literacy coaches and PD facilitators.

## Raindrops to Rivers

Audience: teachers of grades 2-12  
CD-ROM/DVD: e-mail [pd@ket.org](mailto:pd@ket.org)  
Website: [raindropstorivers.org](http://raindropstorivers.org)  
Focus Areas: non-point source water pollution, cross-cultural activities

This resource includes *Electronic Field Trip to a Watershed* along with professional development resources to help educators teach science and environmental education concepts. For more information, see the description on page 33.

## Site Based Decision Making

Audience: New SBDM council members  
Price: \$95 for six-hour course  
Purchase Online: [edustore.KET.org](http://edustore.KET.org)

This course is for newly elected School-Based Decision-Making Council Members. The Kentucky Department of Education has approved the KET SBDM Course to meet the six-hour training requirement for new SBDM council members; the course facilitator, Dr. Tom Hiter, is an approved SBDM. For more information contact [pd@ket.org](mailto:pd@ket.org) or (800) 432-0951, ext. 7271.



# special programming

## Before It's Too Late: Preventing Teen Suicide

Audience: Teachers, counselors, parents, and caring adults  
Program Length: 60 minutes  
Streams Online: [KET.org/health/before-its-too-late.htm](http://KET.org/health/before-its-too-late.htm)  
Focus Areas: Health, practical living, suicide prevention

Family members directly impacted by teen suicide share their stories, and experts provide advice for those who fear a teen they know may be considering suicide. The program also visits an innovative suicide prevention workshop at Mercer County High School.

## Education Matters

Audience: Educators, parents, and policymakers  
Program Length: 60 minutes  
Streams Online: [KET.org/educationmatters](http://KET.org/educationmatters)  
Website: [KET.org/educationmatters](http://KET.org/educationmatters)  
Focus Areas: Education reform, education issues

Hosted by KET public affairs reporter Bill Goodman and airing six times during the school year, this monthly program features panel discussions with educators and policymakers, along with videotaped visits to schools. The 2013-2014 season includes an overview of the changing GED environment, a look at programs in place to address issues related to poverty in schools, exceptional children, and the 2014 financial aid call-in program.

### 2012-2013 PROGRAM TITLES

1. **Taking The Pulse of Kentucky Education**
2. **Student Voices, Election 2012**
3. **College Financial Aid Call-In 2013**
4. **Innovations In Student-Directed Learning**
5. **Environmental Education In Kentucky**
6. **Kindergarten Readiness**

## Health Three60

Audience: Teachers, counselors, parents, and community organizations  
Streams Online: [KET.org/health/morethanchildsplay](http://KET.org/health/morethanchildsplay)

This series explores important health issues in Kentucky, presenting three sides of an issue in 60 minutes through a mix of studio and documentary segments.

### PROGRAM TITLES

1. **The New Face of Diabetes**
2. **Erasing the Stigma of Mental Illness**
3. **Probing Prescription Drug Abuse** (includes a segment showing how one school is educating about the dangers of drug abuse)
4. **The Hearth Facts: Cardiovascular Disease in Kentucky**
5. **No Health without Mental Health**
6. **Citizens Taking Charge**

### COMING IN 2013

7. **When Children are Cruel** (August)
8. **Healthy Competition: How County Health Rankings are Catalyzing Change** (September)
9. **Champions of Children's Health** (October)

## More Than Child's Play: Why Physical Activity Matters

Audience: Teachers, administrators, parents, and community organizations  
Program Length: 60 minutes  
Website/Streams Online: [KET.org/health/morethanchildsplay/](http://KET.org/health/morethanchildsplay/)  
Focus Areas: Physical education, health, practical living, cross-curricular integration

This program takes a fresh look at causes and remedies for childhood obesity and sedentary lifestyles by examining how Kentucky schools, communities, and families are finding innovative ways to help children become more active. The website offers success stories, tips, and strategies that increase activity levels.

## Safe and Sound: Protecting Children from Toxic Stress

Audience: Teachers, counselors, and parents  
Streams online: [KET.org/health/](http://KET.org/health/)

This KET Special Report lays out the case for the importance of addressing the emotional and social health of children at an early age and demonstrates why it is an issue that impacts us all. The documentary, premiering early 2014, looks at the challenges that parents face, identifies where society is failing families and children, and explores what practices are underway to support families.

## Well Fed: Nourishing Our Children for a Lifetime

Audience: Teachers, counselors, and parents  
Streams online: [KET.org/health/wellfed.htm](http://KET.org/health/wellfed.htm)

This special report, which premiered in early 2013, explores the impact of America's food system on childhood obesity and current strategies for increasing access to healthy foods. It follows the child's growth, highlighting the importance of good nutrition in infancy, continuing through each developmental stage, and concluding by examining the impact of community context on a child.

## contents

### Childcare Training

#### Resources for Teachers and Childcare Providers

- Art to Heart
- Art to Heart Training Modules
- Everyday Science for Preschoolers
- ◆ More Early Childhood Education Toolkits

◆ *New or Revised for 2013/2014*

### How to Access Resources

With a few exceptions, most resources listed in this section are available either at PBS LearningMedia or KET ED On Demand, which are both offered via KET EncycloMedia (KET.org/encyclomedia). Instructions for accessing these services are on pages 10-11.

KET's most visible commitment to early learning is its carefully selected schedule of engaging on-air programming for children—series such as *Sesame Street*, *Sid the Science Kid*, and *The Cat in the Hat*. Children's programming is designed to boost four key areas of childhood development—cognitive (including literacy, science, technology, and math), social, emotional, and physical (guiding kids towards healthy living). Many of these series have accompanying websites with streaming video, engaging interactive activities for children, and resources for teachers and parents. Visit the KET website KET.org/kidsandfamilies for more information, resources, and a schedule of all children's programs on KET.

KET has produced a variety of resources to enhance learning in the early childhood classroom and provides both online and customized in-person professional development opportunities.

## childcare training

KET's Childcare Training program helps Kentucky's early childhood education professionals earn credit toward state licensing requirements. Participants register to view specific programs and complete corresponding coursework, submitted to KET for verification, or take the courses online. A small administrative fee is charged. Courses are offered on a variety of topics, from early literacy to promoting positive behavior to dealing with children's health issues. For a complete list of courses, visit the KET EduStore at [edustore.KET.org](http://edustore.KET.org). For more information about KET childcare training, call (800) 432-0951, ext. 7278 or (859) 258-7278; or e-mail [childdev@ket.org](mailto:childdev@ket.org).

## resources for teachers & childcare providers

### Art to Heart

*Exploring creativity and arts activities for young children*

Audience:	Professional development for teachers of infants through primary
Program Length:	30 minutes
Streams Online:	KET ED On Demand via KET.org/encyclomedia
Website:	KET.org/arttoheart

This KET series explores the importance of visual arts, music, dance, drama, and literature in the lives of infants, toddlers, and young children, providing useful ideas and information for parents, caregivers, and early childhood teachers. The *Art to Heart* viewer's guide and website offer discussion questions, additional research, activity ideas, and other resources.

#### PROGRAM TITLES

1. Children's First Language
2. Visual Arts
3. Music
4. Movement and Dance
5. Drama and the Literary Arts
6. The Artful Environment
7. Arts for Learning
8. Arts Every Day

### Art to Heart Training Modules

Audience:	Early childhood trainers and college courses
Purchase:	call KET Early Childhood at (800) 945-9167 or (859) 258-7451

Designed for childcare professionals, these modules provide a foundation for understanding brain development and how visual art, dance and movement, music, and drama connect to early learning and development. Each ready-to-use module contains a training plan, a PowerPoint presentation with embedded video segments, standards correlations, handouts, activity instructions, a needs assessment, an evaluation form, and a participant certificate. Seven of the modules are designed for trainers who are working with early

(continued on page 80)

## KET Young Writers and Illustrators Contest

The annual KET Young Writers and Illustrators Contest encourages children in kindergarten through fifth grade to submit original stories, poems, and artwork to a statewide competition. KET recognizes first, second, and third place winners with backpacks filled with books, DVDs, and art supplies as well as recognition through the KET website, *Visions* magazine, and press releases to their local newspapers. Look for contest guidelines in February, 2014.



Oscar R.



Abigail D.



Kaja J.



Gracie G.



Madeline Rose L.



Becca G.

childhood professionals. These Level 3 modules teach knowledge and skills similar to those addressed in CDA and AA degree programs. While they do include classroom activities, their specific focus is the relationship of the arts to learning and development. The eighth module includes training segments for parents and contains Level 1 content.

## Everyday Learning

### *Fun resources in science, math, and health*

Grade Levels:            Preschool-2  
Accessible Online:    PBS LearningMedia via [KET.org/encyclomedia](http://KET.org/encyclomedia)

Comprised of resources from *Everyday Science*, *Everyday Math for Preschoolers*, and *Healthy Me*, this collection is designed to give educators easy access to short videos and interactives created especially for the youngest students. For more information see *Everyday Science* on page 52, *Everyday Math for Preschoolers* on page 42, and *Healthy Me* on page 47.

## Everyday Science for Preschoolers Curriculum

### *Tools for a science foundation*

Grade Levels:            Preschool-2  
Price:                     \$35 + shipping for complete curriculum, binder containing 12 modules, and DVD

This KET toolkit encourages early childhood professionals to incorporate science activities into the daily preschool curriculum. The resource includes a manual with over 100 detailed lesson plans linked to Early Childhood Standards plus a DVD with brief videos related to the content. Additional videos, interactives, and related activities are available online at PBS LearningMedia, accessible via KET EncycloMedia [KET.org/encyclomedia](http://KET.org/encyclomedia). See page 52 for complete resource descriptions.

## Healthy Me Curriculum

### *A young child's guide to healthy living*

Grade Levels:            Preschool-K  
Price:                     \$35 + shipping for complete curriculum, binder containing 6 modules, and DVD

Lessons related to the human body, the senses, nutrition, exercise, and healthy habits. See page 47 for a description of related multimedia resources available at KET EncycloMedia. These resources are made possible in part by a generous grant from Norton Healthcare. Available Spring 2014.

Sign up for KET Early Childhood e-News at [KET.org/childcare](http://KET.org/childcare) to receive updates about childcare training, professional development opportunities, multimedia resources for preschoolers, and more!



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### Classroom Resources

- ◆ Fast Forward
- WorkKeys® Preparation
- iTunes U

### Professional Development

- Geometry PD Online Course
- Teaching Strategies
- 2014 Test Info

### Newsletter

- ◆ Tech Teaching Tips

◆ *New or Revised for 2013/2014*

## How to Access Resources

With a few exceptions, most resources listed in this section are available either at PBS LearningMedia or KET ED On Demand, which are both offered via KET EncycloMedia (KET.org/encyclomedia). Instructions for accessing these services are on pages 10-11.

## Secondary GED® Programming

Because of legislation and a waiver from the American Council on Education, secondary GED® programs may be established in Kentucky schools. This option provides a potential dropout student—who has the academic capability to complete high school graduation requirements but who is behind the cohort group in the credits needed to graduate—the opportunity to stay in school, prepare for, and obtain the GED® certificate. KET's new *Fast Forward* system provides instruction for schools implementing a secondary GED® program.



# FAST FORWARD

## classroom resources

### Fast Forward

Grades: 9-adult  
Website: ketfastforward.org

Assessments are being upgraded to reflect more rigorous high school and college/career readiness standards, with an expanded new edition of the GED® test and new alternatives such as the HiSET (High School Equivalency Test) developed by Educational Testing Service and McGraw-Hill's TASC (Test Assessing Secondary Completion).

KET is proud to present Fast Forward—a flexible, multiplatform learning system aligned to Common Core State Standards and College and Career Ready Standards, emphasizing skills required for post-secondary success. This comprehensive system addresses a range of new high school equivalency assessments to help learners reach their unique goals.

Fast Forward components include in-depth online courses in language arts, mathematics, science, and social studies; video for broadcast and online streaming; professional development resources; an interactive eBook; and ongoing resource development and support. *Available January 2014.*

### WorkKeys® Preparation

*Prep for WorkKeys® assessment*

Grade Levels: 9-adult  
Accessible Online: PBS LearningMedia via  
KET.org/encyclomedia

Resources in *Applied Math*, *Locating Information*, and *Reading for Information* are now available in PBS LearningMedia. Each collection includes videos, worksheets, teaching tips, discussion questions, and more.

### iTunes U

*Access KET instructional videos*

Grade Levels: 9-adult  
Accessible Online: iTunes U via  
KET.org/education

Instructional videos for adult educators and learners are now available at iTunes U. Search for KET in the iTunes U store.



## professional development

### Geometry Professional Development Course

*A review of geometry concepts*

Audience: Adult educators  
 Accessible Online: PBS LearningMedia via  
 KET.org/encyclomedia

Review and build skills in and knowledge of geometry concepts, including measurement; lines, angles, and triangles; perimeter, area, and volume; and the coordinate plane.

## Teaching Strategies

*Videos of effective teaching techniques*

Audience: Adult educators  
 Accessible Online: PBS LearningMedia via  
 KET.org/encyclomedia

Several video collections show real adult education teachers in real classroom settings. The collections include effective techniques for teaching reading and math, promoting group discussion, encouraging critical thinking, and managing the classroom environment. Find the *Teaching Strategies*, *Reading Instructional Strategies*, and *Math Instructional Strategies* collections on PBS LearningMedia.

## 2014 Test Info

*General information about high school equivalency tests*

Audience: Adult educators  
 Accessible Online: KET.org/gedtestinfo

Guidance for teaching math, problem solving, graphic literacy, essay writing, and critical thinking skills for the 2014 GED® tests and other high school equivalency tests.

## newsletter/blog

### Tech Teaching Tips

*An e-newsletter for adult education teachers*

Sign Up Online: bit.ly/TTTSignUp  
 Blog: blogs.KET.org/techteaching

Tech Teaching is a media-rich blog written by Barry Burkett, KYAE instructional technology consultant, working with programs to better integrate technology into instruction. Tech Teaching Tips, a monthly e-newsletter, continues to provide great adult education resources, including suggestions for incorporating technology into lessons, links to short educational video clips, and engaging classroom activities.

## A NEW GED TEST IS COMING IN 2014

Starting on January 2, 2014, there will be a new GED® test. The current version of the GED® test is expiring at the end of 2013.

Current scores for learners who have not completed the GED® tests will also expire. So, encourage your students to complete their studies now!

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