Perry County Science Curriculum Map
Time Frame: August-November
Unit 1: Life Science (Interdependent Relationships in Ecosystems: Animals, Plants, & their Environments)

Science & Engineering Practices	Crosscutting Concepts	Literacy Standards	Mathematics Standards
Obtaining, Evaluating, and	Cause and Effect		
Communicating Information	Events have causes that		
Obtaining, evaluating, and	generate observable patterns.		
communicating information in K-2	(K-ESS3-3)		
builds on prior experiences and uses			
observations and texts to	Systems and System Models		
communicate new information.	Systems in the natural and		
Communicate solutions with	designed world have parts		
others in oral and/or written forms	that work together. (K-ESS2-		
using models and/or drawings that	2),(K-ESS3-1)		
provide detail about scientific			
ideas. (K-ESS3-3)			

Next Generation Science Standards	Disciplinary Gore Ideas	train-stone	Essential Questions		Assessments
Students who demonstrate understanding can:	ESS3.C: Human Impacts on Earth	What impacts do people	cts	cts Before: Think-pair-share about	
K-ESS3-1 Use a model to	Systems Things that people	(humans) have	O		
represent the relationship	do to live	around them?		During:	During: solutions
between the needs of different	comfortably can			Students will make	Students will make Convey
plants and animals (including	affect the world	How can		observations about the	observations about the Events
humans) and the places they	around them. But	people		world around them and	world around them and Explanatory
live. [Examples of relationships	they can make	(humans) help		the impacts humans	the impacts humans Human designed
could include that deer eat buds	choices that	the world		have on the world	have on the world Impact
and leaves, therefore, they	reduce their	around them?		around them.	around them. Informative
usually live in forested areas;	impacts on the				Land
and, grasses need sunlight so	land, water, air,			After:	
they often grow in meadows.	and other living			Students will create	Students will create Model
Plants, animals, and their	things. (K-ESS3-			posters to promote	posters to promote Natural
surroundings make up a	3)			helping the world	helping the world Needs
system.]				around them.	around them. Observable
	ETS1.B:				patterns

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Next Generation Science Standards	Disciplinary Core Ideas	Essential Questions	Assessments	Vocabulary	Resources
K-ESS3-3 Communicate	Developing			People (humans)	Parr, Todd. The Earth Book. Little
solutions that will reduce the	Possible			Places to live	Brown & Co. ISBN 9780316042659
impact of humans on the land,	Solutions			Plants	2010.
water, air, and/or other living	Designs can be			Reason	
things in the local	conveyed through			Reduce	Asch, Frank. The Earth and I.
environment.* [Clarification	sketches,			Represent	Sandpiper.
Statement: Examples of human	drawings, or			Solutions	ISBN 9780152063955. 2008.
impact on the land could	physical models.			Systems	
include cutting trees to produce	These			Water	Inches, Allison. I can save the Earth.
paper and using resources to	representations are				Little Simon.
produce bottles. Examples of	useful in				ISBN 9781416967897. 2008.
solutions could include reusing	communicating				
paper and recycling cans and	ideas for a				
bottles.]	problem's				
	solutions to other				
	people.				
	(secondary to K-				
	ESS3-3)				

Perry County Science Curriculum Map

Time Frame: August-November

Unit 1: Life Science (Interdependent Relationships in Ecosystems: Animals, Plants, & their Environments)

Science & Engineering Practices	Crosscutting Concepts	Literacy Standards	Mathematics Standards
Engaging in Argument from Evidence	Systems and System Models		
Engaging in argument from evidence in K-2 builds on prior experiences	Systems in the natural and designed world have parts		
and progresses to comparing ideas and	that work together. (K-ESS2-		
representations about the natural and designed world(s).	2),(K-ESS3-1)		
 Construct an argument with 			
evidence to support a claim. (K-			
ESS2-2)			

	Next Generation Science Standards	Disciplinary Core Ideas	Essential Questions	Assessments	Vocabulary	Resources
	Students who demonstrate	ESS2.E:	What do humans	Before:	Analyze	Science Journals.
	understanding can:	Bio-geology Plants and animals	and animals do to change their	Teacher will show pictures of before	Change Common	KWL Chart.
	K-ESS2-2 Construct an	can change their	environment, and	and after of different	Compare	
	argument supported by	environment. (K-	what do they	construction sites, or	Construct	T-Chart and Venn-diagrams to make
	evidence for how plants	ESS2-2)	effect when they	environments.	Describe	comparisons.
	and animals (including		do this?	Students will	Designed world	
	humans) can change the			comment on the	Difference	Virtual Field Trip
	environment to meet their			differences.	Effect	http://bookbuilder.cast.org/view_print.php?bo
	needs. [Clarification				Environment	ok=26258
	Statement: Examples of			During:	Evidence	
_	plants and animals			Students will be	Key details	Visit a Zoo and Farm
	changing their			observed through	Less of	
	environment could			various activities	Measurable	Books:
	include a squirrel digs in			that explore changes	attributes	*Use as introductions, have students choose
	the ground to hide its food			to the environment	More of	an animal, draw a picture and write a sentence
	and tree roots can break			to meet needs.	Natural world	about the effects of their animal in the house
	concrete.]				Opinion	
	,			After:	Order	Pinder, Eric. If all the Animals Came Inside.
				Students will draw a	Patterns	Little, Brown Books for Young Readers

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Next Generation Science Standards	Disciplinary Core Ideas	Essential Questions	Assessments	Vocabulary	Resources
			picture and write a description on how	Systems Topic	ISBN 9780316098830. 2012.
			the chosen environment was		*Use to discuss how animals change their environment to meet their needs, create a
	0007990.00		changed and why.		picture chart of some animals and list items used and changes.
7 1 10 . 2				- 10 × 10 × 10 × 10 × 10 × 10 × 10 × 10	What's inside animal homes? Exodusbooks.com
					Bostrom, Kathleen Long. The View at the Zoo Ideals Publications. ISBN 9780824956295. 2011.
					Duskey Rinker, Shelly. Good Night, Goodnight Construction Site. Chronicle
					ISBN 9780811877824. 2011.

Time Frame: August-November
Unit 1: Life Science (Interdependent Relationships in Ecosystems: Animals, Plants, & their Environments)

Science & Engineering Practices Crosscutting Concepts	oncepts Literacy Standards	Mathematics Standards
	iral and	
Analyzing data in K-2 builds on prior Patterns in the natural and experiences and progresses to	aral and	
ring	describe	
	sed as	
Use observations (firsthand or evidence. (K-LS1-1)		
from media) to describe patterns		
in the natural world in order to		
answer scientific questions. (K-		
LS1-1)		
Scientific Knowledge is Based on		
Empirical Evidence		
Empirical Evidence Scientists look for patterns and order		

Next Generation Science Standards Students who demonstrate understanding can:	Disciplinary Core Ideas LS1.C: Organization	Essential Questions What is the same and different on	Assessments Before: Students will create	Vocabulary Analyze Animals needs	Resources Science Journals.
understanding can:	Organization for Matter and	and different on what is needed	Students will create a picture on what	Animals needs Common	KWL Chart
K-LS1-1 Use observations to	Energy Flow in	for plants and	they think they need	Compare	
describe patterns of what plants	Organisms	animals to	to live.	Describe	T-Charts of Essential Question
and animals (including humans)	All animals need	survive?		Difference	
need to survive. [Clarification	food in order to		During:	Evidence	Lesson based on Brown Bear, Brown Bear,
Statement: Examples of patterns	live and grow.		Students will	Food	What Do You See? by Bill Martin Jr
could include that animals need to	They obtain		compare and	Grow	http://www.pbs.org/parents/eekoworld/less
take in food but plants do not; the	their food from		contrast the things	Human	onsk 2.html
different kinds of food needed by	plants or from		plants and animals	designed	
different types of animals; the	other animals.		need to live.	world	Lesson Based on Eric Carle's books A
requirement of plants to have light;	Plants need			Humans	House for Hermit Crab and The Very
and, that all living things need	water and light		After:	Key details	Hungry Caterpillar

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Next Generation Science Standards	Disciplinary Gore Ideas	Essential Questions	Assessments	Vocabulary	Resources
water.]	to live and grow. (K-LS1-1)		Students will create a final drawing and journal entry	Less of Light Live	http://www.pbs.org/parents/eekoworld/less onsk_2.html
			comparing and contrasting what humans and plants need to survive.	Living things Measurable attributes More of	What do Plants need to grow Activities http://www.simplyscience.com/Kindergarten.html
				Natural world	Worksheets: Animal Homes
			200 I A C 134	Needs Obtain Order	http://www.greatschools.org/worksheets- activities/6060-animal-homes.gs
				Plante needs	Feed Me: Living Things need food
				Survive Water	activities/6050-feed-me.gs
					Animal Homes that are just right http://www.greatschools.org/worksheets-activities/6120-animal-homes-that-are-just-right.gs
					Books: Martin Jr., Bill. Brown bear, Brown Bear, What do you See? Henry Holt and Co. ISBN 9780805017441. 1992.
					Carle, Eric. A House for Hermit Crab. Little Simon. ISBN 9781442472242. 2013
					Carle, Eric. The Very Hungry Caterpillar. Putnam Pub Group. ISBN 9780399213014. 1986.

Time Frame: August-April (Year Long Standards)
Unit 2: (Yearlong): Earth's Systems – Weather

Analyzing and Interpreting Data Patterns Patterns in the natural world can be observed, used to describe phenomena, and used as evidence. (K-ESS2-1) in the natural world can be observed, used to (K-ESS2-1)	Science & Engineering Practices	Crosscutting Concepts	Literacy Standards	Mathematics Standards
tta in K-2 builds on prior and progresses to cording, and sharing ervations (firsthand or dia) to describe patterns tural world in order to cientific questions. (K-	Analyzing and Interpreting Data	Patterns		
and progresses to cording, and sharing rvations (firsthand or dia) to describe patterns tural world in order to cientific questions. (K-		Patterns in the natural world		
cording, and sharing rvations (firsthand or dia) to describe patterns tural world in order to cientific questions. (K-		can be observed, used to		
rvations (firsthand or dia) to describe patterns tural world in order to cientific questions. (K-		describe phenomena, and		
,		used as evidence.		
from media) to describe patterns in the natural world in order to answer scientific questions. (K-	 Use observations (firsthand or 	(K-ESS2-1)		
in the natural world in order to answer scientific questions. (K-	from media) to describe patterns			
answer scientific questions. (K-	in the natural world in order to			
	answer scientific questions. (K-			

sited=1	Temperature	teacher leads them			versus cloudy days in different
1& form action=&search form1 form vi	Sunny	Monthly the			and the number of sunny days
& limit search=	Sunlight				the morning than in the afternoon
calendar&search_type=1&match_words=2	Snowy	represent words).			include that it is usually cooler in
gory=0&q=	Region	out pictures to		time. (K-ESS2-1)	Examples of patterns could
http://www.abcteach.com/search.php?cate	Record	calendar using cut		notice patterns over	and rainy days in a month.
records on:	Recall	a monthly		the weather and to	include numbers of sunny, windy,
Monthly Calendars to keep weather	Rainy	(students mark on		describe and record	quantitative observations could
	Picture graph	weather chart		these conditions to	rainy, and warm); examples of
graphs of weather patterns.	Patterns	school year daily		People measure	weather (such as sunny, cloudy,
One inch Graph paper to create monthly	Observe	Throughout the			include descriptions of the
	Model	During:		a particular time.	qualitative observations could
snowy).	Describe			particular region at	Statement: Examples of
weather vocabulary (rainy, sunny, windy,	Data	weather).		temperature in a	over time. [Clarification
Visual aids (Bulletin Board Resources) for	Create	represent daily		snow or rain, and	conditions to describe patterns
	Cooler	pictures to	yesterday?	sunlight, wind,	observations of local weather
A weather chart for recording weather.	Collect	introduces	different from	combination of	K-ESS2-1 Use and share
	Cold	weather (teacher	and how is it	Weather is the	
Chart.	Cloudy	KWL Chart about	weather today	and Climate	understanding can:
Chart paper to create graphs and KWL	Bar graph	Before:	What is the	ESS2.D: Weather	Students who demonstrate
Resources	Vocabulary	Assessments	Questions	Ideas	Standards
	The second secon		Essential	Disciplinary Core	Next Generation Science

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			Next Generation Science Standards
			Disciplinary Core Ideas
			Essential Questions
			Assessments
			Vocabulary
Meachen Rau, Dana. Hot and Bright: A Book about the Sun. Picture Window Books. ISBN 9781404811355. 2005. Describes features of the sun, and why it is so important to life on Earth. Includes activity.	Sherman, Josepha. Splish! Splash! Picture Window Books. ISBN 9781404800953. 2003.	Branley, Franklyn M. Snow Is Falling. Harper Collins. ISBN 9780064451864. 2000.	Resources

Time Frame: August-April (All Year) Unit 2: (continued): Earth and Space Science – Weather

Science & Engineering Practices	Crosscutting Concepts	Literacy Standards	Mathematics Standards
Asking Questions and Defining Problems	Cause and Effect Events have causes that		
Asking questions and defining problems in grades K-2 builds on prior experiences and progresses to simple	generate observable patterns. (K-PS3-1),(K-PS3-2),(K-ESS3-2)		
descriptive questions that can be tested.Ask questions based on			
observations to find more			
information about the designed			
world. (K- ESS3-2)			
Scientific Investigations Use a			
Variety of Methods Scientists use different ways to study the world. (K-PS3-1)			
Science Knowledge is Based on Empirical Evidence			
when making observations about the world. (K-ESS2-1)			

Next Generation Science Standards	Disciplinary Gore Ideas	Essential Questions	Assessments	Vocabulary	Resources
Students who demonstrate	ESS3.B: Natural	What local	Before:	Bar graph	Science Journals.
understanding can:	Hazards	severe weather	Create a class	Emergency	
	Some kinds of	do we have to	list of weather,	Forms	KWL Chart.
K-ESS3-2 Ask questions to obtain	severe weather are	prepare for and	define severe.	Gather	
information about the purpose of	more likely than	how do we		information	Kindergarten Weather Activities:
weather forecasting to prepare for,	others in a given	prepare?	During:	Key details	http://www.ehow.com/info_7817511_kinde
and respond to, severe weather.*	region. Weather		Students will	Local	rgarten-weather-lesson-plan-activities.html
[Clarification Statement:	scientists forecast	•	create pictures	Model	
Emphasis is on local forms of	severe weather so		after the	Observation	Kindergarten Science Projects on Weather:
severe weather.]	that the		teacher models	Pattern	http://www.ehow.com/list_5780120_kinder

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Project- the class will create an emergency preparedness book with pictures and dictated sentences from students to teacher or teacher helpers, using a rubric which addresses the essential questions.	Next Generation Science Standards	Disciplinary Core Ideas communities can prepare for and respond to these	Essential Questions	Assessments the weather. After:	Vocabulary Picture graph Preparedness Region	Resources garten-science-projects-weather.html
emergency preparedness book with pictures and dictated sentences from students to teacher or teacher helpers, using a rubric which addresses the essential questions.		events. (K-ESS3-2)		Project- the class will	Severe weather Weather	her
		ETS1.A: Defining and Delimiting an		create an emergency	forecasting	ng
ge .		Engineering Problem		preparedness book with		
σ α		Asking questions,		pictures and		
σα		making observations, and		dictated sentences from		
ng		gathering		students to		
•		information are helpful in thinking		teacher or teacher helpers.		
		about problems.		using a rubric		
		(secondary to K-		which		
questions.		1000-2/		essential		
				questions.		

Time Frame: November-January Unit 3: Energy from the Sun

Perry County Science Curriculum Map Kindergarten

Science Knowledge is Based on Empirical Evidence Scientists look for patterns and order when making observations about the world. (K-ESS2-1)	Scientific Investigations Use a Variety of Methods Scientists use different ways to study the world. (K-PS3-1)	Investigations Planning and carrying out investigations to answer questions or test solutions to problems in K-2 builds on prior experiences and progresses to simple investigations, based on fair tests, which provide data to support explanations or design solutions. • Make observations (first hand or from media) to collect data that can be used to make comparisons (K-PS3-1)	Science & Engineering Practices
		Cause and Effect Events have causes that generate observable patterns. (K-PS3-1),(K-PS3-2),(K-ESS3-2)	Crosscutting Concepts
			Literacy Standards
			Mathematics Standards

Next Generation Science Standards	Disciplinary Core Ideas	Essential Questions	Assessments	Vocabulary	Resources
Students who demonstrate	PS3.B:	Š	Before:	Attribute	Science Journals.
understanding can:	Conservation of	the sun have on	Create a class	Build	
	Energy and	different	brainstorm chart	Collect	KWL Chart.
K-PS3-1 Make observations to	Energy Transfer	surfaces of the	on prior	Common	

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Next Generation Science Standards	Disciplinary Core Ideas	Essential Ouestions	Assessments	Vocabulary	Resources
determine the effect of sunlight on	Sunlight warms	Earth?	knowledge of how	Compare	Worksheet: Being Shadowed
Earth's surface. [Clarification	Earth's surface. (K-		the sun affects	Data	http://www.greatschools.org/worksheets-
Statement: Examples of Earth's	PS3-1),(K-PS3-2)		(changes) things.	Earth's	activities/6133-being-shadowed.gs
surface could include sand, soil,			,	surface	
rocks, and water]			During:	Effect	Hot Stuff
			Pose "what if"	Less of	http://www.greatschools.org/worksheets-
K-PS3-2 Use tools and materials		What materials	questions, note	More of	activities/6068-hot-stuff.gs
provided to design and build a		are most	students	Observe	
structure that will reduce the		effective in	comments before	Patterns	Books:
warming effect of sunlight on		lessoning the	and after practiced	Reduce	Simon, Seymour. The Sun. Mulberry
Earth's surface.* [Clarification		effect on the	experiments.	Research	Books, ISBN 9780688092368, 1989,
Statement: Examples of structures		Earth are many	•	Rocks	
could include umbrellas,:		surfaces?	After:	Sand	Branley_Franklyn M. Sun: Our Nearest
canopies, and tents that minimize			Students choose	Soil	Star. Trophy Press.
the warming effect of the sun.]			before and after	Sunlight	ISBN 9780064452021. 2002.
			the sun's effects.	Water	Fowler, Allan, Energy From The Sun
			using a rubric		Children's Press.
			which addresses		ISBN 9780516262550. 1998.
			questions.		Kalman, Bobbie. Earth and the Sun.
_					ISBN 9780778732129, 2008.
					Video: How the Sun Affects life on Earth:
					http://www.neok12.com/video/Sun/zX5a/ 57b4455546940600145.htm
					Science activity to help students broaden
					its antical rate in manning the land air
					and water around us.
					http://sciencenetlinks.com/lessons/the-
, 10					warmth-of-the-sun/
					Four Sun art Projects:
					http://www.brighthubeducation.com/presc
					The Contract of the state of the contract of the state of

Time Frame: February-April
Unit 3: Physical Science (Forces and Interactions: Pushes & Pulls)

Science & Engineering Practices	Crosscutting Concepts	Literacy Standards	Mathematics Standards
Analyzing and Interpreting Data	Cause and Effect		
Analyzing data in K-2 builds on prior	Simple tests can be designed		
experiences and progresses to	to gather evidence to support		
collecting, recording, and sharing	or refute student ideas about		
observations.	causes. (K-PS2-1),(K-PS2-2)		
 Analyze data from tests of an 			
object or tool to determine if it			
works as intended. (K-PS2-2)			

Next Generation Science	Disciplinary	Essential	Assessments	Vocabulary	Resources
Standards	Core Ideas	Questions			
Students who demonstrate	PS2.A: Forces	What happens	Before:	Analyze	Science Journals.
understanding can:	and Motion	when objects	Create a KWL chart	Attribute	
	Pushes and pulls	touch, collide,	after review the	Causes	KWL Chart.
K-PS2-2 Analyze data to determine	can have	or push on one	previous month's	Change	
if a design solution works as	different	another?	objective.	Collide	More Ideas on Motion
intended to change the speed or	strengths and			Compare	http://www.teachjunkie.com/filing-
direction of an object with a push or	directions. (K-		During:	Create	cabinet/free-download/19-fun-ideas-
a pull.* [Clarification Statement:	PS2-1),(K-PS2-		Observe the students	Data	resources-force-and-motion/
Examples of problems requiring a	2)		in various activities	Describe	
solution could include having a			that integrate hands	Determine	Worksheet: Bend it, Squish it, Stretch
marble or other object move a	Pushing or		on activities that	Directions	**
certain distance, follow a particular	pulling on an		provide a medium for	Gather	http://www.greatschools.org/worksheets-
path, and knock down other objects.	object can		students to increase	Key details	activities/6067-bend-it-stretch-it-squash-
Examples of solutions could	change the speed		and/or decrease	Length	it.gs
include tools such as a ramp to	or direction of its		speed of an object.	Less of	
increase the speed of the object and	motion and can			Measureable	Fast and Slow Motion
a structure that would cause an	start or stop it.		Introduce variables	attributes	http://www.greatschools.org/worksheets-
object such as a marble or ball to	(K-PS2-1),(K-		that incorporate	More of	activities/6131-fast-and-slow-motion.gs
turn.] [Assessment Boundary:	PS2-2)		touch, push and	Motion	
Assessment does not include			colliding in their	Pulling	Books:
friction as a mechanism for change	ETS1.A:		investigation.	Pulls	Dahl, Michael. Roll, Slope, and Slide: A
in speed.]	Defining			Pushes	Book About Ramps. Picture Window

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	Next Generation Science Standards
Problems A situation that people want to change or create can be approached as a problem to be solved through engineering. Such problems may have many acceptable solutions. (secondary to K-PS2-2)	Disciplinary Gore Ideas Engineering
	Essential Questions
Students will be able to describe the effects of touch, push, pull and colliding using a familiar object through writing or drawing in their science journals using a rubric which addresses the essential questions.	Assessments After:
Reason Situation Solutions Speed Strengths Support ideas Touch Weight	Vocabulary
ISBN 9781404819092. 2002. Stille, Darlene R. Motion: Push and Pull, Fast and Slow. Picture Window Books. ISBN 9781404802506. 2004.	Resources

	Next Generation Science Standards
	Disciplinary Core Ideas
	Essential Questions
	Assessments
	Vocabulary
art-projects/	Resources

Time Frame: February-April
Unit 4: Physical Science (Forces and Interactions: Pushes & Pulls)

Scientific Investigations Use a Variety of Methods Scientists use different ways to study the world. (K-PS2-1)	Connections to the Nature of Science	20	Science & Engineering Practices
		Cause and Effect Simple tests can be designed to gather evidence to support or refute student ideas about causes. (K-PS2-1),(K-PS2-2)	Grosscutting Concepts
			Literacy Standards
			Mathematics Standards

KWL Chart.	Clarify	out with a partner	an object	Pushes and pulls an object	
	Change motion	you push or pull Have students act	you push or pull	and Motion	understanding can:
Science Journals.	Attribute	Before:	What happens if	PS2.A: Forces	Students who demonstrate
Resources	Vocabulary	Assessments	Essential Questions	Disciplinary Gore Ideas	Next Generation Science Standards

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	The second secon			The Contract of the Contract o	
				PS2-1)	
ISBN 9780516225517 2002				(secondary to K-	
Scholastic Library Publishing				more quickly	
Murnhy, Patricia J. Push And Pull				or slow down	
				things speed up	
ISBN 9780064452144. 2005.				pull makes	
Harper Collins.				A bigger push or	
Make Things Move.				Forces	
Brubaker Bradley, Kimberly. Forces				Energy and	
	_			Between	
ISBN 9780395470305. 1988.				Relationship	
Houghton Mifflin.		essential questions.		PS3.C:	
Shaw, Nancy M. Sheep in a Jeep.		addresses the			
Books:	Weight	rubric which		(K-PS2-1)	
	Touch	picture bases on a		change motion.	
resources-force-and-motion/	Speed	happening in each		another and can	
cabinet/free-download/19-fun-ideas-	Slow down	an adult what is		they push on one	
http://www.teachjunkie.com/filing-	Reason	they will dictate to		touch or collide,	
More Ideas on Motion	Pushes	a push and pull;		When objects	magnets.]
	Pulls	picture representing		Interactions	pulls such as those produced by
two objects)	Provide data	Students will draw a		PS2.B: Types of	not include non-contact pushes or
Marbles (Experiment with interactions of	Pressure	After:			at the same time. Assessment does
	Plan			PS2-2)	different directions, but not both
(to represent push and pull)	object	of push and pull.		(K-PS2-1),(K-	to different relative strengths or
weighted balls	Motion of an	explain the effects		start or stop it.	Boundary: Assessment is limited
Swing Set, Toy cars, and various size and	More quickly	demonstrate and		motion and can	each other.] [Assessment
	More of	balls, etc to		or direction of its	objects colliding and pushing on
of pull)	attributes	toy cars, swings,	each other?	change the speed	stopping a rolling ball, and two
Rope(play tug of war to represent effect	Measureable	opportunities with	objects run into	object can	pushing an object, a person
	Less of	Give students	two moving	pulling on an	object being pulled, a person
activities/6102-be-forceful.gs	Length	During:	What happens if	Pushing or	include a string attached to an
http://www.greatschools.org/worksheets-	Key details				Examples of pushes or pulls could
Be Forceful	Investigate	pressure.		2)	object. [Clarification Statement:
	Express ideas	applied more		PS2-1),(K-PS2-	pulls on the motion of an
activities/6072-push-or-pull.gs	Difference	happens when the		directions. (K-	different directions of pushes and
http://www.greatschools.org/worksheets-	Describe	describe what		strengths and	effects of different strengths or
Worksheet: Push or Pull	Common	together and		different	investigation to compare the
	Collide	pushing hands	harder?	can have	K-PS2-1 Plan and conduct an
			Questions	Core Ideas	Standards
Resources	Vocabulary	Assessments	Essential	Disciplinary	Next Generation Science
			1	71-1-11	

^{*}Denotes a traditional science content integrated with engineering through a Practice or Disciplinary Core Idea.

ISBN 9781553377597. 2005.					
Kids Can Press.					
Motion, and you!					
Mason, Adrienne. Move it! Forces,					
Vesour ces	v ocapular y	мээсээшсим	Questions	Core Ideas	Standards
Danaman	Vanshuları	Assassments	Essential	Disciplinary	Next Generation Science

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