

# *Tanque Verde High School*

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## *Course Catalog* *2022-2023*

*A Small School Culture of Care with Big School Opportunities*

4201 North Melpomene Way Tucson, AZ 85749

(520) 760-0801

[www.tanq.org](http://www.tanq.org)

Dr. Amy Cislak, Principal  
Mr. Gary Lewis, Assistant Principal  
Mr. Joel Bacalia, Assistant Principal  
Ms. Meg Siath, Counselor A-L  
Ms. Tammy Hille, Counselor M-Z

## **LEGAL NOTICE**

The Tanque Verde Unified School District affirms its intent to comply with all federal and state laws relating to the prevention of discrimination. All courses, services, activities, employment and admission opportunities are offered without regard to race, color, creed, national origin, sex, disability or age in its programs and activities and provides equal access to the Boy Scouts, Girl Scouts, Young Men's Christians Association (YMCA), Boys and Girls Clubs and other designated youth groups. This compliance includes, but is not limited to, the regulations of Title IX of the Education Amendments of 1972; the Individuals with Disabilities Education Improvement Act of 2004; Section 504 of the Vocational Rehabilitation Act of 1973; Title VI of the Civil Rights Acts of 1964; the Americans With Disabilities Act of 1990; the Age Discrimination Act of 1974; and federal vocational education guidelines issued to meet a requirement of the Adams v. Califano consent decree.

The Career and Technical Education (CTE) program areas included in the program of study for school year 2022-2023 are: business/computer technology and industrial technology. Due process is adhered to in any disciplinary proceedings.

The Compliance Officer for the Tanque Verde Unified School District, with respect to Section 504 of the Vocational Rehabilitation Act of 1973 , Title II, and all other anti-discrimination laws including but not limited to, Title IX (gender-based discrimination), is:

Dr. Scott Hagerman, Superintendent  
Tanque Verde Unified School District  
2300 N. Tanque Verde Loop Road  
Tucson, AZ 85749  
Phone (520) 749-5751

Questions concerning compliance with any of the above should be referred to Superintendent Dr. Scott Hagerman.

## **AVISO LEGAL**

El Distrito Escolar Tanque Verde Unificado afirma la intención de acatar todas las leyes federales y estatales concernientes a la prevención en contra de la discriminación. Se ofrecen todos los cursos, servicios, actividades y oportunidades de empleo y admisión sin consideración de raza, color, religión, país de origen, sexo, discapacidad o edad en los programas y actividades, y ofrece igualdad de acceso a Boy Scouts, Girl Scouts, Young Men's Christians Association (YMCA), Boys and Girls Clubs y otros grupos designados para los jóvenes. Este compromiso incluye, pero no se limita a, los lineamientos de las Leyes Enmendadas de Educación del Título IX de 1972; la Legislación para el Mejoramiento Educativo para Personas con Discapacidades de 2004; la Sección 504 de la Legislación para la Rehabilitación Profesional de 1973; la Ley Título VI de Derechos Civiles de 1964; la Ley de 1990 sobre Estadounidenses con Discapacidades; la Legislación contra la Discriminación por la Edad de 1974; y los Lineamientos Federales de la Educación Profesional emitidos para cumplir con un requisito del Decreto de Consentimiento Adams v. Califano.

Los programa de Educación Profesional y Técnica (CTE) educación profesional incluidos en el plan de estudios del curso escolar 2021-2022 son: tecnología de negocios y equipo, tecnología industrial, y Tecnológica Conjunta de Distrito del Condado de Pima (Pima JTED) Programas Satélite.

Se adhiere al proceso legal justo para todas las medidas disciplinarias:

La persona del Distrito Tanque Verde Unificado encargada de asuntos concernientes a la Sección 504 de

la Legislación para la Rehabilitación Profesional de 1973, del Título II, y del Título IX (discriminación basada en el género de la persona) es:

Dr. Scott Hagerman, Superintendente  
Distrito Escolar Tanque Verde Unificado  
2300 N. Tanque Verde Loop Road  
Tucson, AZ 85749  
Teléfono (520) 749-5751.

Si tienen preguntas relacionadas con el cumplimiento de cualquiera de los anteriores, deben comunicarse con Superintendente Dr. Scott Hagerman.

**EQUAL OPPORTUNITY IN TVUSD SCHOOLS** The Tanque Verde Unified School District is committed to a policy of nondiscrimination in relation to race, color, religion, sex, age, national origin, and disability in its education programs or activities which it operates or in its employment practices. Title VI of the Civil Rights Act of 1964, Title IX of the Educational Amendments of 1972, and Section 504 of the Rehabilitation Act of 1973 carry the notice requirement requiring the Tanque Verde Unified School district policy of nondiscrimination.

## **POLICIES & PROCEDURES**

### Tanque Verde High School Graduation Requirements

**Below is a list of credits that are required for graduation for the Class of 2023 and 2024**

<b>Subject Area</b>	<b>Credits</b>
English	4
Math	4
Science	3
Social Studies	3
CTE and/or Fine Art*	2 (in any combination)
Electives	6
Total	22

**Below is a list of credits that are required for graduation for the Class of 2025 and Beyond**

<b>Subject Area</b>	<b>Credits</b>
English	4
Math	4
Science	3
Social Studies	3
CTE and/or Fine Art*	2 (in any combination)
World Language**	2 (in the same language)
Electives	6
Total	24

\* Students must obtain 2.0 credits in any combination of CTE and Fine Arts classes (2 fine arts courses, 2 CTE courses, or 1 fine arts course and 1 CTE course)

\*\*This requirement begins for the class of 2025

## Four Year Planning Guide

Suggested courses by year: This guide reflects a schedule that meets the MINIMUM graduation requirements

### 9<sup>th</sup> Grade

1. Honors English 9 or English 9
2. Math (Algebra I, Geometry)
3. Honors Biology, AP Environmental Science, or Earth Science
4. Student Success/9th Grade Social Studies
5. Elective\*
6. Elective\*

### 10<sup>th</sup> Grade

1. Honors English 10 or English 10
2. Math (Geometry, Algebra II, or Honors Algebra II)
3. Honors Biology, Biology, Honors Chemistry or Chemistry
4. AP World History or World History
5. Elective\*
6. Elective\*

### 11<sup>th</sup> Grade

1. AP English Language and Composition or English 11
2. Honors Precalculus/Trigonometry, Honors Algebra II, Algebra II, or AP Calculus AB
3. Honors Physics, Physics, AP Biology, Dual Enrollment Chemistry 151
4. AP United States History or United States History
5. Elective\*
6. Elective\*

### 12<sup>th</sup> Grade

1. Dual Enrollment Writing 101 or AP English Literature
2. Honors Precalculus/Trigonometry, AP Statistics, AP Calculus AB, AP Calculus BC, Statistics/Discrete Math
3. Government/Economics (Class of 2023, 2024) OR Student Success/Economics (Class of 2025 and beyond)
4. Elective\* (often AP Biology, Dual Enrollment Chemistry 152, AP Environmental Science, Honors Physics)
5. Elective\*
6. Elective\*

\*Required electives include 2.0 World Language and 2.0 combined credits of CTE/fine arts. An additional 6 elective credits are required after these have been met.

## Arizona State mandated Test Requirements

Tanque Verde High School students are required by state and federal law to successfully complete mandatory testing as part of graduation requirements. TVHS will use AzM2, AIMS Science and the ACT (American College Testing) as our school wide measuring tools. It will inform teachers, students, and parents whether students are on track to be college and/or career ready upon graduation from high school. State law requires all students to pass a civics test based on the United States Immigration and Naturalization civics questions. Students must score 60% or higher in order to graduate from high school or obtain a high school

equivalency certificate.

### Transfer of Credits

- TVHS accepts credits granted from previously attended regionally-accredited schools for transfer students.
- TVHS accepts summer school credit from regionally accredited institutions. **Pre-approval by a TVHS Counselor required.**
- TVHS accepts Pima Community College and University of Arizona credits. **Pre-approval by a TVHS Counselor required.**
- TVHS accepts credit toward graduation from incoming 9<sup>th</sup> graders coming from charter or private schools upon receiving a completed credit request form available from the registrar and approved by the principal.
- TVHS accepts credit from an alternative program (i.e.: accredited online course) for credit recovery per Board policy IKF-R and IHBHD. **Alternative coursework must be pre-approved by a TVHS counselor.**

### Transfer Credits from Emily Gray Junior High School

Students will earn 0.25 of high school elective credit for successful completion of each HS Spanish course (1A and/or 1B) per semester taken in grades 7 and/or 8 at Emily Gray Junior High School. High school credit will also be awarded for Algebra I and/or Geometry taken at Emily Gray Junior High School.

### Student Course Load

Freshmen, Sophomores, Juniors, and Seniors must carry a minimum of six (6) classes on their schedule each semester. Seniors may appeal to take a reduced schedule to accommodate a JTED, University course, an internship or to accommodate a health related concern.

### Student Cohort and Academic Standing

Class designation is determined by the student's cohort. Cohort is determined by the year that the student entered high school. A student entering high school during the 2022-2023 school year is in the 2026 cohort, 2026 being the year that the cohort is expected to graduate. In order for a student to be in good academic standing, the number of credits a student needs to have earned is as follows:

Freshman (2026) 0-6 credits Junior (2025) 13-18 credits Sophomore (2024) 6-12 credits Senior (2023) 19+ credits

### Grading System and Grade Point Average (GPA)

Tanque Verde High School uses an A, B, C, D, F grading system. Honors/Pre-AP courses are identified by an "H" on the students' transcripts and are weighted with an additional 0.5 GPA points. Advanced Placement (AP) and Dual-Enrollment courses are identified by "A" on the students' transcripts and are weighted with an additional 1.0 GPA points.

Cumulative weighted GPA will be used to determine official class rankings.

### University and College Admissions Requirements

#### Arizona Board of Regents system

Students eligible for Arizona 4-year public university admissions should complete the following core academic areas with around a 3.0 GPA or better for admission:

English 4.0 credits

Social Studies 3.0 credits

Mathematics 4.0 credits

Foreign Language 2.0 credits **of the same language**

**Fine Arts 1.0 credits\***

Lab Science 3.0 credits

*\*Please note that CTE courses do not meet the Fine Arts requirement at all colleges & universities*

### **Out-of-State and Private College/University Admissions**

Out-of-state and private colleges differ considerably in depth and breadth of requirements. Interested students should consult the specific college website for more information about the application deadlines and administration requirements. Some private colleges, for example, require SAT subject tests in addition to a standard SAT and/or ACT. Students need to consult the colleges directly for individual college/university admissions policies. Please be aware that out of state universities typically want 1.0 credits of fine arts and will not allow a CTE class to meet this requirement. Please also note that many out of state universities may require at least 3.0 credits of the same world language.

### **NCAA Eligibility**

Although TVHS graduation requirements exceed NCAA Division I and II minimum academic requirements, it remains the athlete's responsibility to ensure s/he meets NCAA Eligibility Center standards. You may check the list of NCAA courses located on the Resources page of the Eligibility Center Website at [www.eligibilitycenter.org](http://www.eligibilitycenter.org). Please see your counselor if you intend to participate in college-level athletics.

### **Digital Learning Program through Edgenuity**

With innovative technology and a unique, personalized approach to learning, the Digital Learning Program (DLP) will help students at Tanque Verde High School recognize the potential for a different type of learning experience. The mission of DLP is to help students graduate and succeed by delivering innovative solutions. Edgenuity courses offer flexible scheduling, are self-paced, and offer advanced college preparation to meet individual student needs. All courses are delivered digitally by a certified teacher on an online platform. DLP courses are offered for credit recovery. **All DLP courses require pre-approval from a counselor and administration. Fees may apply for these courses.**

### **Course Offerings**

Course offerings at TVHS are designed to meet graduation requirements as well as meet and/or exceed college/university expectations for entrance. **Projected course offerings are dependent upon a minimum enrollment of approximately twenty (20) students per class. Courses with fewer students may be cancelled or limit overall section availability.** Students need to register for academic courses, desired electives and alternative options to ensure continual progress in case of course cancellations.

### **Classes Failed**

If a student fails a class needed for graduation, they should contact their counselor for options for making up the class. Students may not be able to repeat a failed class during the regular Tanque Verde schedule due to high enrollment numbers. Summer school and Digital Learning Program through Edgenuity are possible options counselors will offer students who need to make up a credit deficiency.

### **Zero Hour**

Tanque Verde High School offers zero hour classes for several courses. Zero Hour course offerings will be limited and based upon staffing and resource availability. Zero hour classes will meet Monday, Wednesday, Thursday, and Friday from 7:55-8:55 AM. Zero hour transportation is the responsibility of the student. There will be no district bus transportation for this class. Students are responsible for their own transportation for the entire school year. Parking policies will be enforced for zero hour. This means students with valid parking

permits may park on campus. Students must have transportation to leave campus if they finish classes prior to the end of 7th period. The use of the library as a place for independent study/study hall will not be permitted. Zero Hour classes count as one of the student's required classes. Drop/Add procedures are listed in the course catalog and apply to all zero hour classes. **Requesting a zero hour course does not guarantee a student will be scheduled for that class.** Class offerings are based on availability and student enrollment limits/capacity. Zero hour request contracts are available from a counselor and must accompany a student's registration form submission in order to be considered for enrollment.

### Honors Courses

These courses cover a wider scope of material in greater depth than standard courses. These rigorous courses are designed for self-motivated learners who have an interest in the subject area and have well developed and consistent study habits. In most cases, these courses are specifically designed to provide a rigorous curriculum with skill development focused upon what is necessary for students to succeed in Advanced Placement (AP) courses that follow in those specific content areas. AP courses often require specific reading and writing skills that are above and beyond the scope of Arizona State Standards.

### Dual-Enrollment (DE) Courses

In cooperation with Pima Community College (PCC), TVHS is pleased to offer dual-enrollment classes on our campus. Upon successful completion of dual-enrollment classes, students will be **awarded both high school and college credit** for the course. **The curriculum is designed to be college level.** In order to enroll in dual-enrollment courses, students must be a minimum of 16 years of age and be at least a Junior in high school. Students must also pass the reading, writing and math sections of the PCC assessments prior to admission into the dual-enrollment program. Some dual-enrollment courses also have additional prerequisites.

### Advanced Placement (AP) Courses

Advanced Placement courses follow a nationally recognized curriculum which provides willing and academically prepared high school students with the opportunity to study and learn college level curriculum. In May, a comprehensive exam is offered in each subject to qualify for college credit. Students pay for each test that they plan to take. *College credit is determined by each university or college and varies in type and amount of credit. Students need to contact the college/university of their choice for more information.*

TVHS supports the College Board's equity statement: "The College Board is committed to the principle that all students deserve an opportunity to participate in rigorous and academically challenging courses and programs. All students who are willing to accept the challenge of a rigorous academic curriculum should be given the consideration for admission to AP courses."

If you are planning on attending college, the challenge of an AP course will help prepare you for the challenges of college while also providing an opportunity to earn college credit. More information about AP can also be found at the official AP website: <https://ap.collegeboard.org>

### Schedule Changes

Schedule changes will only be considered during the **first five (5) days of each semester**. *Submitting a request for a schedule change does not guarantee that a change will be made.* Requests will be reviewed on a case-by-case basis and may require administrative approval.

### Acceptable reasons for schedule changes are limited to:

- Failure of a prerequisite course



- Required course needs to be added in order to graduate on time
- Medical reasons (requires a doctor's note)
- Previously failed course completed in summer

Parents and students should be aware that TVHS has policies and practices that limit opportunities for making changes to a student's schedule, and at times, eliminates opportunities for changes. Pre-registration enrollment numbers are used to create a master schedule. As a result, students must carefully consider their choices when submitting pre-registration information or when enrolling. **TVHS administration reserves the right to change student schedules without parent permission in order to better balance class size, create a safer environment, or any other reason to improve the education of the student and educational climate of the school.**

Schedule changes may require parent permission and teacher input. When registering for year-long classes, students are STRONGLY reminded to remember the year-long commitment they are making to those classes. ***Students must continue to attend their scheduled classes until a new schedule has been processed by the counselor and issued to the student.***

### **Course Withdrawal**

There are unique circumstances that require students to withdraw from courses after 5 days. These requests are reviewed on a case-by-case basis and require administrative approval. Students that withdraw from a class prior to 5.5 weeks into the semester will do so without any notation recorded on the transcript. Any withdrawal from 5.6 weeks through the end of the quarter, a student will withdraw with either a WP (Withdrawal Passing) or WF (Withdrawal Failing) noted on the transcript. Neither designation will affect the student's grade point average, and no credit will be received. A student who withdraws from the class after 9 weeks will receive an "F" which will be reflected on the transcript and in the GPA.

## COURSE DESCRIPTIONS BY SUBJECT

Not all courses are available every year. Course offerings are dependent upon minimum enrollment numbers, as well as staff availability. Please read through each course description carefully.

### CAREER & TECHNICAL EDUCATION (CTE)

*JTED Approved and Accredited*

*2.0 credits of CTE/Fine Arts (combined) required for TVHS Graduation*



TVUSD is a member of the Pima County Joint Technological District (JTED). In conjunction with business and industry, JTED provides career and technical education programs for students that focus upon both the educational and employment needs of Pima County. JTED courses provide access to state-of-the-art equipment and training programs in a variety of career pathways, offer articulated college-level credit (applicable courses only), offer the opportunity for industry certifications, and the opportunity to work at an advanced level in a variety of career areas. All of our CTE courses are proudly supported by PimaJTED.

#### CTE Program of Study: Communications Media Technologies

##### Digital Photography I

**Course Number:** CTE605 and CTE606

Students will learn the fundamentals of photography. Emphasis will be on learning how to operate a digital single lens reflex camera (DSLR); learning techniques for outdoor natural light and indoor studio light photography, photographic compositional techniques, and the elements and principles of visual design. Students will also learn and use Adobe Photoshop CC in editing photographs as well as creating visual works of art. Cameras are provided (Canon EOS Rebel T5/ T6). Students are invited to join SkillsUSA for workshops and competitions throughout the year.

**Grades:** 10-12 **Prerequisite:** None

**Credit:** 1.0 Credit, 2 Semesters (10.0200.14) **Fee: Fee Applies**

##### Digital Photography II

**Course Number:** CTE607 and CTE608

This course includes units of instruction in applied visual arts that prepares students to use photographic techniques and skills in the effective communication of ideas and information to business and customer audiences. Students in this class will undertake photo-journalistic assignments as well as provide photo coverage of school site activities. Emphasis of this class is placed upon students developing effective communication skills necessary to operate in the graphic communications field. Students will also learn and operate studio lighting equipment and advance their knowledge in post processing using Adobe Photoshop CC. Students are invited to join SkillsUSA for workshops and competitions throughout the year. The Adobe Certified Associate Certification in Photoshop will be offered to students toward the end of this course.

**Grades:** 11-12 **Prerequisite:** Digital Photography I

**Credit:** 1.0 Credit, 2 Semesters (10.0200.50) **Fee: Fee Applies**

##### Digital Photography III

**Course Number:** CTE609 and CTE610

This course will focus on the student completing photographic assignments with the purpose of developing a portfolio. Projects that students will be assigned shall encompass topics surrounding the classroom, the school, the community, businesses, and industry. Related photographic genres shall include portraiture, fine art, still life, documentary, and commercial. Student photographic assignments shall be conducted both at

school during school hours as well as after school and off campus. Students may use their own photographic equipment for off campus assignment work, but may also check out school equipment to complete assignments. Students are invited to join SkillsUSA for workshops and competitions throughout the year.

**Grades:** 12 **Prerequisite:** Digital Photography II

**Credit:** 1.0 Credit, 2 Semesters (10.0200.55) **Fee:** Fee Applies

### **Film & TV Production I**

**Course Number:** CTE107 and CTE108

Students will learn to work in a functioning studio to record video and audio for film projects and contests, produce special broadcasts and videos for the school and community and create videos of all kinds (music videos, PSAs and stop-motion animation and more) using various technical skills acquired with hands-on training. Green screen, lighting techniques and camera operations along with many skills in the field are taught in our full recording studio. Students are invited to join SkillsUSA for workshops and competitions throughout the year.

**Grades:** 10-12 **Prerequisite:** None

**Credit:** 1.0 Credit, 2 Semesters (10.0200.16) **Fee:** Fee Applies

### **Film & TV Production II**

**Course Number:** CTE109 and CTE110

Students will learn advanced skills about cinematography and editing in this course. The main focus will be on short films, commercials, as well as learning what other film jobs are out there and how to go after them. At the end of the year, the students will work together to create a 5-15minute short film using their skills and knowledge they've learned throughout the year. Students are invited to join SkillsUSA for workshops and competitions throughout the year. Career focus – prepare for internship opportunities in Film and TV and journalism, prepare for college level courses in broadcasting, journalism. Certification in Adobe Premiere Pro will be offered at the end of this course.

**Grades:** 11-12 **Prerequisite:** Film & TV Production I

**Credit:** 1.0 Credit, 2 Semesters (10.0200.90) **Fee:** Fee Applies

### **Film & TV Production III**

**Course Number:** CTE111 and CTE112

Explore the larger world of professional video jobs. Students will oversee and mentor Year 2 students with the knowledge of advanced film and work in a setting conducive to creating portfolio pieces to show future employers and/or film colleges. Students are invited to join SkillsUSA for workshops and competitions throughout the year. Career focus – prepare for internship opportunities in Film and TV and journalism, prepare for college level courses in broadcasting, journalism.

**Grades:** 12 **Prerequisite:** Film & TV Production II

**Credit:** 1.0 Credit, 2 Semesters (10.0200.97) **Fee:** Fee Applies

## **CTE Program of Study: Drafting & Design Technology**

### **Mechanical Drafting I**

**Course Number:** CTE151 and CTE152

Students enrolled in this class will learn about the field of drafting and design as a career option and as an important aspect of the engineering, architectural, and other design related fields. Students will begin with traditional hand drafting and move on to electronic drafting using AutoCAD. Students will be guided through multiple mechanical and architectural drafting units which emphasize drafting skills as directly connected to the engineering and architectural fields. Additionally, students will be introduced to 3D drafting techniques through

Solidworks software. . Mechanical Drafting students are invited to join SkillsUSA for workshops and competitions throughout the year.

**Grades:** 10-12 **Prerequisite:** None

**Credit:** 1.0 Credit, 2 Semesters (15.1300.13) **Fee:** Fee Applies

## **Mechanical Drafting II**

**Course Number:** CTE153 and CTE154

Students will focus on mechanical drafting as it relates to the engineering discipline and other related technical fields and to the design and manufacture of mechanical components and assemblies. As the second year course in the drafting curriculum, mechanical drafting focuses on dimensioning and tolerances, sectioning, fastenings, and pictorial drawings using both AutoCAD and Solidworks for 3D solid modeling. Additionally, students will be introduced to 3D printing and shall create 3D print prototypes of designed mechanical components. Students are invited to join Skills USA for workshops and competitions throughout the year. Certification in Autodesk ACU and Solidworks will be offered.

**Grades:** 11-12 **Prerequisite:** Mechanical Drafting I

**Credit:** 1.0 Credit, 2 Semesters (15.1300.40) **Fee:** Fee Applies

## **CTE Program of Study: Marketing, Management, and Entrepreneurship**

### **Marketing I**

**Course Number:** CTE713 and CTE714

Work on real-life businesses – developing business plans and marketing strategies. Create new small businesses-experience running (and work-based learning) a company through Market Days projects and earn Work Based Learning hours in our student-run Snack Shack, a School Based Enterprise. Travel and true-to-life business experience through our affiliation with DECA and our DECA training and competitions. DECA travel activities will require extra student expenses. Career Focus: Prepare for summer jobs in marketing, small business, and further education.

**Grades:** 10-12 **Prerequisite:** None

**Credit:** 1.0 Credit, 2 Semesters (52.1800.11) **Fee:** Fee Applies

### **Marketing II**

**Course Number:** CTE715 and CTE716

Brainstorm with professional business owners in real world settings. Create new small businesses and experience running and managing a company through Market Days and earn Work Based Learning hours by managing The Snack Shack, a Student Based Enterprise. Travel and true-to-life business experience through our affiliation with DECA and our DECA training and competitions. DECA travel activities will require extra student expenses. The Microsoft 365 Associate certificate test will be offered in semester 2 of this course.

**Grades:** 11-12 **Prerequisite:** Marketing I

**Credit:** 1.0 Credit, 2 Semesters (52.1800.20) **Fee:** Fee Applies

### **Marketing III**

**Course Number:** CTE718 and CTE719

This third level in the program is being developed as an advanced Marketing class. We will work more on student management of the Student Based Enterprise (our school store and food truck) as well as excelling in competitions with DECA and looking into internship possibilities for the time during the school year and after. Create ties with businesses in various fields of interest and work on internship opportunities. Skills learned will be advanced retail store management and finances. Expectation is students will be competitive in all DECA competitions.

**Grades:** 12 **Prerequisite:** Marketing I & II

**Credit:** 1.0 Credit, 2 Semesters (52.1800.26) **Fee: Fee Applies**

### **CTE Program of Study: Health Science**

#### **Sports Medicine and Rehabilitation I**

**Course Number:** CTE191 and CTE192

Sports Medicine 1 is a beginning level class that introduces students to many different health care occupations. In class, students will work with athletes, coaches, and professionals to apply psychology and motivation techniques to athletic training and physical fitness. Students will learn basic anatomy, along with taping techniques and the use of protective equipment to prevent, support, or treat sports injuries, and employ techniques that can be used to increase strength, mobility, and endurance. Students will be earning Work Based Learning hours by working with the student athletes at TVHS after school to help injured athletes return to play and keep other athletes healthy. Sports Medicine is a hands-on class with many different opportunities to find what health career they may be interested in. Students are invited to join HOSA (Future Medical Professionals) for workshops and competitions throughout the year. The OSHA-10 for Healthcare will be offered to interested students.

**Grades:** 10-12 **Prerequisite:** None

**Credit:** 1.0 Credit (2 semesters) (51.0800.14) **Fee: Fee Applies**

#### **Sports Medicine and Rehabilitation II**

**Course Number:** CTE193 and CTE194

Students will go into greater depths of understanding in human anatomy, as well as the cause and treatment of injury. Students will learn psychological effects of getting injured as well as the moral and ethics of athletic training. Students will be working closely with the sports teams at Tanque Verde and each student will be responsible for working alongside the athletic trainer during practices and games on a daily basis. Students will have the opportunity to travel with the football team and be on the sideline for every other sport. Students will help the Year One students learn the basics of setting up for a practice or game and how to deal with athletes with different injuries. Students are required to commit to activities that take place after school hours. Students are invited to join HOSA (Future Medical Professionals) for workshops and competitions throughout the year. This course offers full CPR certification for students who are interested.

**Grades:** 11-12 **Prerequisite:** Sports Medicine I

**Credit:** 1.0 Credit (2 semesters) (51.0800.50) **Fee: Fee Applies**

#### **Agriscience I**

**Course Number:** CTE511 and CTE512

Students in this first year course will learn concepts in agricultural science. Students will examine: the nature, scope, and role of agriculture, the impact of trends and technologies on agriculture, the use of scientific processes used in agriculture, the relationship of the environment and agriculture, cell biology, structures, and processes, food safety and processing practices, and examine technology tools and systems used to access, manage, integrate and create information.

Further emphasis is placed on leadership development and public speaking skills. This course is a prerequisite for the other Agricultural Education Courses in the program. The Arizona State Board of Education has deemed completion of this course and year two makes students eligible for one embedded life science credit if standards are met. All students become members of FFA and FFA activities are encouraged.

**Grades:** 9-10 **Prerequisite:** None

**Credit:** 1.0 Credit, 2 Semesters (01.0000.10) **Fee: Fee Applies**

#### **Agriscience II**

**Course Number:** CTE520 and CTE521

This second year course emphasizes detailed knowledge in plant and animal science. The student will be taught concepts in the following areas: Examine soil management for plant and animal production, analyze animal and plant science principles, demonstrate concepts of animal and plant management, and analyze principles of integrated pest management in animal and plant systems. Students will be offered the opportunity to utilize the on-site commercial greenhouse for research and observations. Emphasis is on problem solving and scientific reasoning applied to real world problems integrating knowledge from the life and earth sciences. *The Arizona State Board of Education has deemed completion of this course and the subsequent level 2 course makes students eligible for one embedded science credit if standards are met.* Parliamentary procedure, public speaking, and meeting management will be emphasized. This course offers student certification based on interest and availability. All students become members of FFA and participation in FFA activities is expected.

**Grades:** 10-12 **Prerequisite:** Agriscience I

**Credit:** 1.0 Credit; 2 Semesters (01.0000.20) **Fee: Fee Applies**

### **Agriscience III**

**Course Number:** CTE530 and CTE531

Students will develop skills in the following areas: livestock, pet, and research industry, agribusiness management, finance, and marketing skills. The profession of veterinary medicine, animal welfare regulations, physical exams, vital signs, handling and restraining, genetics and genetic diseases, handling and administration of medicine, pain recognition, prevention, and reading animal behavior. Leadership development (CTSO-FFA), work based learning (SAE-Supervised Agricultural Experience), and community service are a part of this course as well. This course offers student certification based on interest and availability.

**Grades:** 11-12 **Prerequisite:** Agriscience II

**Credit:** 1.0 Credit, 2 Semesters (01.0000.25) **Fee: Fee Applies**

### **Agriscience IV**

**Course Number:** CTE540 and CTE541

Students will develop skills in the following areas: study of parasites, veterinary instruments, livestock equipment, filling syringe, administering injections, sterilization, office procedures, treatment, veterinary biological products, infectious and non-infectious diseases, fecal, blood, and urine exams, employee communications, veterinary mathematics, and professional skills. Students will be involved in leadership development (CTSO-FFA), work based learning (SAE-Supervised Agricultural Experience), and community service. This course offers student certification based on interest and availability.

**Grades:** 12 **Prerequisite:** Agriscience III

**Credit:** 1.0 Credit, 2 Semesters (01.0000.30) **Fee: Fee Applies**

### **Agriscience-Cooperative Education (Supervised Agricultural Experience-SAE)**

**Course Number:** CTE500 and CTE501

This course is only available for concurrent enrollment for students currently enrolled in an Agriscience III or IV course. The purpose of this course is to recognize student development of professional skills, technical skills, work ethic, and to support students who are interested in gaining certification and/or achieving FFA Degrees and Recognition. Students can use the AET record program to record all the hours spent in their skill development primarily outside of class. The minimum number of hours required for this course is 120 hours.

**Grades:** 11-12 **Prerequisite:** Current Agriscience III or IV Enrollment

**Credit:** 1.0 MAX, 4 Semesters (01.0000.80) **Fee: None**

### **CTE Program of Study: Performing Arts & Entertainment Industry**



## Stagecraft I

**Course Number:** CTE821 and CTE822

This course is a study of the various jobs within the world of theatre, and will prepare students to participate in the technical and management areas of the performing arts and entertainment industry. In addition, students will gain the foundation skills needed for post-secondary studies in technical theatre. The focus of this class will include the importance and implementation of safety procedures in the theatre shop and on the stage. Students will have opportunities to learn some design elements and assist with costumes, lighting, sound, set, props, and scenic painting. They will also learn the duties of a stage manager and/or stage crew. ***Students will be required to participate after school and on weekends as a crew member for at least one production, which includes attendance of technical and dress rehearsals.*** Stagecraft students are invited to join the International Thespian Society so they may attend workshops and competitions throughout the year.

**Grades:** 9-12 **Prerequisite:** None

**Credit:** 1.0 Credit, 2 Semesters (50.0500.20) **Fee:** Fee Applies

## Stagecraft II

**Course Number:** CTE823 and CTE824

This course continues the work of Stagecraft I, with students managing the planning, design, preparation and application of theatrical productions. There is more emphasis on design presentation, portfolio development, and investigation of employment opportunities in the areas of technical theatre (set design, lighting design, sound design, makeup design, scenic painting, property management, production management, costume design, technical direction and production). ***Students will be required to participate after school and on weekends as a crew member for at least two productions, which includes attendance of technical and dress rehearsals.*** Stagecraft students are invited to join the International Thespian Society so they may attend workshops and competitions throughout the year. This course also offers a 10-hour OSHA Certification program. *PLEASE NOTE: The fee for this class includes a Professional Makeup Kit which will be used in the classroom, and eventually taken home.*

**Grades:** 10-12 **Prerequisite:** Stagecraft I and/or Instructor approval

**Credit:** 1.0 Credit, 2 Semesters (50.0500.25) **Fee:** Fee Applies

## Stagecraft III

**Course Number:** CTE825 and CTE826

This class is for students in their third or fourth year of Stagecraft, and helps to prepare them for participation in the technical and management areas of the performing arts and entertainment industry. In addition, students will gain the foundation skills needed for post-secondary studies in technical theatre. Students will support school productions through the design and the production of various technical elements (stage management, costumes, lighting, sound, sets, props, scenic painting, etc.). ***Students will be required to participate after school and on weekends as a crew member for multiple productions, which includes attendance of technical and dress rehearsals.*** Stagecraft students are also encouraged to be active members of the International Thespian Society, where they can compete and showcase skills and portfolios at state and/or regional competitions.

**Grades:** 12 **Prerequisite:** Stagecraft I, Stagecraft II, and/or Instructor approval

**Credit:** 1.0 Credit, 2 Semesters (50.0500.26) **Fee:** Fee Applies

## CTE Program of Study: Information Technology

### Software and Application Design I (Starting Fall of 2022)

**Course Number:** CTE141 and CTE142

Students will use their skills of analysis and design to create programs with the same software the professionals use; compile and execute programs; and follow established documentation standards. Students will use a

program editor to enter and modify code, identify errors, and perform integration testing. Students will write code to perform mathematical calculations, employ modules, and use conditional structures in writing programs, repetitive structures, simple data types and string. In this class, students will implement arrays in programs, identify correct syntax for declaring and initializing arrays of data types, access elements, manipulate data, employ programming, and perform run-time error handling using SNAP!, Visual Studio.Net, HTML, CSS, JavaScript, Python, and SQL programming languages. Students are invited to join FBLA for workshops and competitions throughout the year. Software Development is a computer science course and college is usually needed for this industry. Possible careers include: Computer Programmer, Software Engineer, Web Developer, Game Development and Software Architect.

**Grades:** 9-12 **Prerequisite:** None

**Credit:** 1.0 Credit, 2 Semesters (15.1200.13) **Fee:** Fee Applies

### **Software and Application Design II/AP Computer Science Principles (Starting Fall of 2023)**

**Course Number:** CTE143 and CTE144

Computer Science Principles is a course designed to prepare students for the AP Computer Science Principles exam. The course covers many topics including: the Internet, networking, big data, privacy/security, building apps, programming, ethics in information technology, and algorithms. Students will continue to use Visual Studio.Net, HTML, CSS, JavaScript, Python, and SQL programming languages. Students are invited to join FBLA for workshops and competitions throughout the year. Students will be offered a CompTIA: IT Fundamentals industry certification at the end of the program. Software Development is a computer science course and college is usually needed for this industry. Possible careers include: Computer Programmer, Software Engineer, Web Developer, Game Development and Software Architect.

**Grades:** 11-12 **Prerequisite:** Software and Application Design I **Credit:** 1.0 Credit, 2 Semesters (15.1200.40) **Fee:** AP Exam and class fee applies

### **Precision Manufacturing I**

**Course Number:** CTE901 and CTE902

This course is primarily devoted to an introduction to fabrication procedures, semi-precision measurement, layout, mechanical drawing, and safe shop practices.

Students will study elements of industry and manufacturing. Emphasis will be on participation, critical thinking, craftsmanship, and safety in the classroom and shop.

**Grades:** 10-12 **Prerequisite:** None

**Credit:** 1.0 Credit, 2 Semesters (48.0500.13) **Fee:** None

### **Precision Manufacturing II**

**Course Number:** CTE903 and CTE904

This course will continue to emphasize fabrication procedures, precision measurements and layout, welding, mechanical drawing, and safe shop practices. Refining shop skills, on-line skills, process planning, and communication skills will be the paramount focus. Students will study elements of industry and manufacturing. Emphasis will be on participation, critical thinking, craftsmanship, and safety in the classroom and shop. 2<sup>nd</sup> year students will focus on precision measurement, welding technologies, and machining skills in preparation of Year 3 ADE Assessment as well as Level 1 NIMS certification. A continuation in mechanical math and the introduction of material estimating will be a priority.

**Grades:** 11-12 **Prerequisite:** "C" or better in Precision Manufacturing 1-2

**Credit:** 1.0 Credit, 2 Semesters (48.0500.12) **Fee:** None



## **Precision Manufacturing III**

**Course Number:** CTE905 and CTE906

This class will be a dual enrollment class and will parallel with Pima Community College course MAC100. This course will look at shop safety, hand tools, precision measurement, and introduction to the machine lathe and milling machine. This course will continue to emphasize fabrication procedures, precision measurement and layout, mechanical drawing, and safe shop practices. Students will be required to demonstrate all of the classroom and lab skills acquired in previous courses in a business environment. Students will study elements of industry and manufacturing. Emphasis will be on participation, critical thinking, craftsmanship, and safety in the classroom and lab. Students will collaborate to create a business atmosphere. Continued emphasis on mechanical math, machining practices, and shop safety will assist students in preparation for the NIMS certification, OSHA 10 hr. safety training, and the ADE assessment as part of the completion requirement. Focus on executive functions: planning, organizing materials, budgeting time, carrying out long-term tasks, self-control, and self-monitoring will better prepare the student for career choices. Resume writing, interview process, and soft skills will be a priority.

**Grades:** 12 **Prerequisite:** "C" or better in Precision Manufacturing 3-4 & instructor recommendation.

**Credit:** 1.0 Credit, 2 Semesters (48.0500.30) **Fee:** None

## ENGLISH

*4.0 credits required for TVHS graduation*

### English 9

**Course Number:** ENG101 and ENG102

Students acquire and use new vocabulary in relevant fiction and nonfiction contexts, improve reading fluency in a variety of genres and employ strategies to comprehend text appropriate to each grade level. Students analyze elements of literature and recognize the historical and cultural aspects of literature in short stories, poems, plays and novels. Reading of nonfiction articles and texts is included, with an emphasis on using text to support answers and ideas. Students compose objective summaries, narrative, and essays including literary analysis, and are introduced to formal source citation. Students write, revise and edit original compositions. Small group and whole class presentations with media are also required. This class serves as an important introduction to all high school level English courses.

**Grades:** 9 **Prerequisite:** None

**Credit:** 1.0 Credit; 2 Semesters **Fee:** None

### Honors English 9

**Course Number:** ENG153 and ENG154

Strong emphasis is placed on grammar, advanced composition, literature and vocabulary. Students analyze elements of literature and nonfiction and recognize the historical and cultural aspects of literature. Students exercise their abilities in evaluation, interpretation and abstract analysis through writing and discussion, expanding their knowledge of literary elements and structures through the in-depth study and analysis of articles, essays, short stories, novels, drama and poetry. Students should enjoy reading, writing and analyzing the structure of English. Interested students need to exceed current grade-level writing expectations and be independent learners with higher-level critical thinking skills. Small group and whole class presentations with media are also required. **Grade:** 9 **Prerequisite:** None

**Credit:** 1.0 Credit, 2 Semesters

**Fee:** None

### English 10

**Course Number:** ENG201 and ENG202

In this course students will read texts/authors with a World Literature focus, including short stories, poems, plays, and novels, as well as nonfiction works. Students will also focus on writing narratives, poetry, and essays, with a strong emphasis on improving writing using self and peer evaluations, supported by teacher feedback. Small group and whole class presentations with media are also required.

**Grade:** 10 **Prerequisite:** English 9

**Credit:** 1.0 Credit, 2 Semesters **Fee:** None

### Honors English 10

**Course Number:** ENG253 and ENG254

Strong emphasis is placed on advanced composition, literature and vocabulary. Students exercise their abilities in evaluation, interpretation and abstract analysis through reading, writing and discussion, expanding their knowledge of literary elements through the in-depth study and analysis of articles, essays, texts, short stories, novels, drama and poetry with a focus on World Literature. Students should enjoy reading, writing and analyzing the structure of English. Interested students need to exceed current grade-level writing expectations and be independent learners with higher-level critical thinking skills.

**Grade:** 10 **Prerequisite:** English 9

**Credit:** 1.0 Credit, 2 Semesters **Fee:** None

## **English 11**

**Course Number:** ENG301 and ENG302

Students acquire and use new vocabulary in relevant fiction and nonfiction contexts, improve reading fluency in a variety of genres and employ strategies to comprehend text at the appropriate grade level. Students analyze elements of American literature with focus on the literary movements associated with each time period. Literary periods will span Puritan Literature, Enlightened Thinkers/Neoclassicism, The Romantic Period and American Renaissance, Realism (Naturalism, Modernism), The Harlem Renaissance, and Contemporary Writers (1950-present). Through reading, writing and discussion, students recognize the historical, rhetorical, and cultural aspects of American literature and how they support theme and meaning. Reading and analysis of nonfiction articles and texts is included. Students compose objective summaries, narrative, and essays including literary analysis with a focus on using texts to support answers and ideas. Small group and whole class presentations with media are also required.

**Grade:** 11 **Prerequisite:** English 10

**Credit:** 1.0 Credit, 2 Semesters **Fee:** None

## **AP English Language and Composition**

**Course Number:** ENG477 and ENG478

This course engages students in becoming skilled readers of prose written in a variety of periods, disciplines, and rhetorical contexts, and in becoming skilled writers who compose for a variety of purposes. The major focus is in the use of specific rhetorical strategies to write more effectively and to analyze texts for a deeper understanding of context, author's purpose, and line of argument. Students read a wide variety of genres, with the focus on nonfiction. Students are expected to take the AP exam. Students are also expected to complete a summer reading assignment, due on the first day of school.

**Grade:** 11 **Prerequisite:** English 10

**Credit:** 1.0 Credit; 2 Semesters **Fee:** AP Exam fee applies

## **DE Writing 101**

**Course Number:** ENG410 and ENG411

Principles and practices of college-level writing. Includes critically reading college texts, writing college-level essays using a variety of strategies, practicing diverse writing processes, and using research effectively. Passing the course can qualify for Dual Enrollment credit with Pima Community College.

Prerequisite(s):

**Grade:** 12 **Prerequisite:** English 11, AP Language & Composition, Accuplacer placement

**Credit:** 1.0 credit, 2 Semesters **Fee:** None

## **AP English Literature & Composition**

**Course Number:** ENG371 and ENG372

This year-long course engages students in the careful reading and critical analysis of poetry, short stories, plays, and novels. Through the close reading of selected texts, students deepen their understanding of the ways writers use language to provide both meaning and enjoyment for their readers. As they read, students consider a work's structure, style and themes, as well as smaller scale elements such as the use of figurative language, imagery, symbolism and tone. Students in this course should enjoy reading and discussion, and desire to improve analysis and writing skills. Students are expected to take the AP exam. **Students are expected to complete a summer reading assignment, due the first day of school.**

**Grade:** 12 **Prerequisite:** English 11 or AP Language

**Credit:** 1.0 Credit, 2 Semesters **Fee:** AP Exam fee applies

### **Resource English**

**Course Number:** 9th Gr ENG012 & ENG013; 10th Gr ENG014 & ENG015; 11th Gr ENG016 & ENG018; 12th Gr ENG018 & ENG019 This is a general education English course for students with an IEP.

**Grade:** 9-12 **Prerequisite:** Student must have an IEP; Instructor approval required

**Credit:** 1.0 Credit: 2 Semesters **Fee:** None

### **English Electives**

#### **Creative Writing**

**Course Number:** ELE322 and ELE323

Creative Writing is a year-long course in which students examine the technical elements of fiction, including point of view, plot, character development, and the form of short stories, poetry and the novel. The course also introduces students to the writing process, the techniques of reading as a writer, and the workshop process. Readings usually include excerpts, short stories, one or more novels and books or articles on the writing craft. Writing assignments include writing exercises, response writing, and polished pieces. Students should also be prepared for a final exhibition of their best work.

**Grade:** 9-12 **Prerequisite:** None

**Credit:** 1.0 Credit, 2 Semesters **Fee:** None

## FINE ARTS

*2.0 credits of CTE/Fine Arts (combined) required for TVHS Graduation*

### **Performance Arts: Music and Theater**

#### **Beginning Guitar**

**Course Number:** FAV641 and FAV642

This one-year course is designed for students with no previous guitar experience and limited or no musical experience. Students will receive guidance playing the guitar at a beginning level and learn different skills, techniques, and musical styles required to become a successful guitarist. Areas of study include: posture, note and chord symbol reading, aural skills, chord study, rhythmic patterns, flat-picking and finger-picking styles, musical forms, blues/pop/rock/folk music studies, and public performance experiences. Students are strongly encouraged to provide their own acoustic instrument.

**Grades:** 9-12 **Prerequisite:** None

**Credit:** 1.0 Credit, 2 Semesters **Fee: Fee Applies**

#### **Marching/Concert Band for Brass and Woodwinds**

**Course Number:** FAV623 and FAV624

Students will develop individual and ensemble music performance skills through participation in marching band, pep band, and concert band. Band will perform literature at a grade 2.5 to 4 level (in accordance to state standards). Performance expectations for this group include: concerts, festivals, fundraisers, in and out of state trips, community events, athletic events, etc. This class offers a high profile performance opportunity and social education. Knowledge of an instrument is necessary. Must attend Band Camp in July. Must commit to after-school and weekend practices and performances. Must attend as many weekly summer evening rehearsals as possible.

**Grades:** 9-12 **Prerequisite:** Previous knowledge of an instrument or Instructor approval

**Credit:** 1.0 Credit, 2 Semesters **Fee: Fee Applies**

Course may be repeated for credit.

#### **Marching/Concert Band for Percussion**

**Course Number:** FAV625 and FAV626

Students will develop individual and ensemble music performance skills through participation in marching band, pep band, percussion ensemble, and concert band. Band/percussion ensemble will perform literature at a grade 2 to 4 level (in accordance to state standards). Performance expectations for this group include: concerts, festivals, fundraisers, in and out of state trips, community events, athletic events, etc. This class offers a high profile performance opportunity and social education. Knowledge of an instrument is necessary. Must attend Band Camp in July. Must commit to after-school and weekend practices and performances. Must attend as many weekly summer evening rehearsals as possible.

**Grades:** 9-12 **Prerequisite:** Previous knowledge of an instrument or instructor approval

**Credit:** 1.0 Credit, 2 Semesters **Fee: Fee Applies**

Course may be repeated for credit.

#### **Jazz Band**

**Course Number:** FAV601 and FAV602

Jazz Band offers a music experience through a select ensemble that explores and performs various music styles such as jazz, rock, blues, swing, funk, Latin, ballads, etc. Expression and creativity through improvisation are highlights of this group. This is a high-profile performing group within the school and the community. Must have knowledge of one of the following instruments: trumpet, trombone, saxophone, piano, electric guitar, bass, or drum-set/vibraphone. Must commit to after school and weekend performance.

Must audition and be accepted into the ensemble. Percussion, brass, and woodwind players are strongly encouraged to simultaneously enroll in marching/concert band. **This course will be offered zero hour ONLY.**

**Grades:** 9-12 **Prerequisite:** Instructor Approval; **requires zero hour paperwork**

**Credit:** 1.0 Credit, 2 Semesters **Fee: Fee Applies**

Course may be repeated for credit.

### **String Orchestra**

**Course Number:** FAV618 and FAV619

String Orchestra is a performance-based course, designed for students of all levels. Members of this group will develop individual and ensemble music performance skills, improve string techniques and music reading, and perform literature at a grade 2 to 3+ level (in accordance with state standards). The performance expectations for this group include: concerts, festivals, fundraisers, in and out of state trips, community events, etc. This class offers performance opportunities and general music education. Students are strongly encouraged to provide their own instrument. (violin, viola, cello, or double bass). Also open to pianists.

**Grades:** 9-12 **Prerequisite:** Previous knowledge of an instrument or Instructor Approval

**Credit:** 1.0 Credit, 2 Semesters **Fee: Fee Applies**

Course may be repeated for credit.

### **Concert Choir**

**Course Number:** FAV701 and FAV702

Concert Choir is a performance-based course, designed for students of all levels. Singers will develop individual and ensemble music performance skills and perform literature designed for the students on a grade 2 to 3 level (in accordance to state music standards). Students will sing songs from a wide array of music genres including Broadway, modern/pop, classical, and folk. Instruction will be focused on utilizing proper breathing technique and vocal posture, intonation, harmonization, rhythm, and most importantly, music theory. Performance expectations for this group may include: concerts, festivals, in and out of state trips, and community events. This class offers both performance opportunities and general music education.

**Grades:** 9-12 **Prerequisite:** None

**Credit:** 1.0 Credit, 2 Semesters **Fee: Fee Applies**

Course may be repeated for credit.

### **Theatre I, Beginning**

**Course Number:** FAV101 and FAV102

This course is a general survey of theatre arts through the study of acting, theatre history, technical theatre, and playwriting. Students will learn skills that build on one another, culminating into the production of a one-act play in the spring. There will be after school and evening rehearsals related to productions. Students will be required to fulfill six hours outside of class toward afterschool/weekend work days or house crew duties, and will be required to attend at least one Theatre II/III performance per semester.

**Grades:** 9-12 **Prerequisite:** None

**Credit:** 1.0 Credit, 2 Semesters **Fee: Fee Applies**

### **Theatre II, Intermediate**

**Course Number:** FAV201 and FAV202

This course is an expanded study of acting skills. Students will study the techniques widely used in many acting programs, which include character analysis and monologue preparation. There will be various performances and competitions in which students may participate. Historical research, script writing, the study of theatre history, stage makeup, and theatre for young audiences will also be a large component of this course. There will be several weeks of after-school and evening rehearsals related to performances. Students will be required

to fulfill six hours outside of class toward after-school/weekend work days or house crew duties, and will be required to attend at least one Theatre I performance. State and/or regional competitions are encouraged.

**Grades:** 10-12 **Prerequisite:** Theatre I; Students must audition with the instructor.

Induction and participation in the Thespian Troupe is strongly suggested.

**Credit:** 1.0 Credit, 2 Semesters **Fee:** Fee Applies

### **Theatre III, Advanced**

**Course Number:** FAV301 and FAV302

This course is for students in their third or fourth year of theatre, with an emphasis on acting techniques and play production. Students will perform in a competition one-act during the first semester (this show will travel to Phoenix for the AZ Thespian Festival), and in one or more productions in the spring semester.

Theatre history is also studied. There will be several weeks of mandatory after-school and evening rehearsals related to performances. Students will be required to fulfill six hours outside of class toward after-school/weekend work days or house crew duties, and will be required to attend at least one Theatre I performance. Participation in regional competitions is encouraged.

**Grades:** 11-12 **Prerequisite:** Theatre II; Students must audition with the instructor.

Induction and participation in the Thespian Troupe is required.

**Credit:** 1.0 Credit, 2 Semesters **Fee:** Fee Applies

### **Introduction to Directing**

**Course Number:** FAV721 and FAV722

This course is within Theatre I. Students will help with the day-to-day activities of the class while independently learning the art of directing through research, analysis and reading. Students will select, cast and direct a one-act play in the spring with guidance from the instructor. Students will be required to attend all after school rehearsals related to the production. Induction and active participation within the International Thespian Troupe is highly encouraged.

**Grades:** 11-12 **Prerequisite:** Theater II and/or III; Instructor approval

**Credit:** 1.0 Credit, 2 Semesters **Fee:** None

## **Visual Arts**

### **Art I, Foundations in Art**

**Course Number:** FAV111 and FAV112

Visual Art 1 is the foundation level course for art study throughout high school. This course emphasizes the study of the elements of art and principles of design, vocabulary, art criticism, art history, and safety in the art room. Projects are designed to give students of all grades and experience levels the opportunity to create art using a variety of 2D and 3D media. Students will develop the ability to appreciate the art and design they encounter in the real world, while developing the creative skills needed for personal self-expression. The approach to art experiences during this time is experimental and covers a wide variety of processes and materials. Problem solving and decision making are emphasized throughout Art I.

**Grades:** 9-12 **Prerequisite:** None

**Credit:** 1.0 Credit, 2 Semesters **Fee:** Fee Applies

### **Art II, Intermediate**

**Course Number:** FAV121 and FAV122

This course offers an in-depth study of design through repeated use of the elements and principles of design. Activities further emphasize skills, techniques, craftsmanship, creativity, and composition. A genuine interest and dedication to the subject, study, and investigation of Art is essential to success in Art 2. Students will explore a variety of 2D and 3D media. Students will also take part in both written and oral

critiques of artwork. Problem-solving and decision making are emphasized throughout Art 2 allowing students to develop their own style in artmaking.

**Grades:** 10-12 **Prerequisite:** Art I

**Credit:** 1.0 Credit, 2 Semesters **Fee: Fee Applies**

### **Art III, Advanced Art**

**Course Number:** FAV123 and FAV124

This course will enable students who already have a good understanding of art and are skilled in the use of art media, an avenue for creative self-expression. Through a series of creative projects, using knowledge of the aesthetic concepts and techniques gained in the two previous art courses, students are able to discover their potential individual expression in-depth. Students will undertake a number of projects that will challenge their creativity, problem-solving capabilities, and personal self-expression.

**Grades:** 11-12 **Prerequisite:** Art II

**Credit:** 1.0 Credit; 2 Semesters **Fee: Fee Applies**

### **AP Studio Art**

**Course Number:** FAV475 and FAV476

The Advanced Placement studio studies are intended for highly motivated students, committed to serious study in art. Emphasis is placed on studio art with a concentration in either Drawing & 2D Design. It is expected that students enrolled in these courses will take the College Board Advanced Placement Test at the end of the year. This portfolio comprises 2 sections: Quality (5 actual works of art) and Sustained Investigation (15 slides which reflect a series of art around a visual concept). Actual works of art and slides are submitted for AP Examination review. Success at the AP level requires rigorous study, excellence in design and production, and extensive knowledge of a variety of art forms. Students initiate, define, and solve challenging visual arts problems independently using intellectual skills such as analysis, synthesis, and evaluation. Students have in-depth experiences in reflecting upon and assessing the characteristics and merits of their work and the work of others.

**Grades:** 11-12 **Prerequisite:** Art I and Art II with a "B" or better; Instructor approval

**Credit:** 1.0 Credit, 2 Semesters **Fee: Fee Applies; AP Exam fee applies**

### **AP Art History**

**Course number:** FAV481 and FAV482

The AP Art History course should engage students at the same level as an introductory college art history survey. Such a course involves critical thinking and should develop an understanding and knowledge of diverse historical and cultural contexts of architecture, sculpture, painting, and other media. In this course, students examine and critically analyze major forms of artistic expression from the past and the present from a variety of cultures. While visual analysis is a fundamental tool of the art historian, art history emphasizes understanding how and why works of art function in context, considering such issues as patronage, gender, and the functions and effects of works of art. Many colleges and universities offer advanced placement and/or credit to students who perform successfully on the AP Art History Exam.

**Grades:** 11 & 12 **Prerequisite:** None

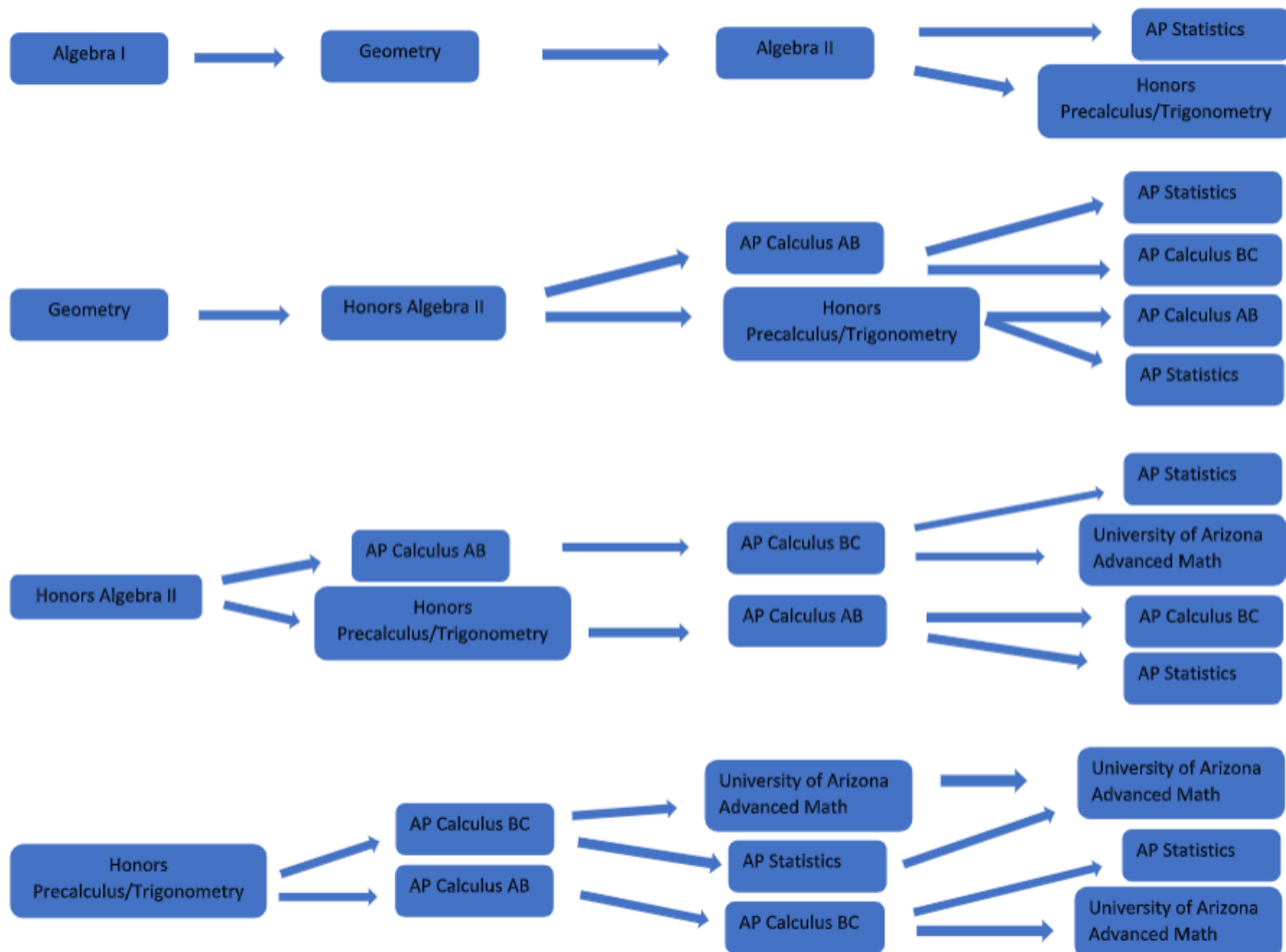
**Credit:** 1.0 Credit, 2 Semesters **Fee: Fee Applies; AP Exam fee applies**



## MATHEMATICS

*4.0 credits required for TVHS graduation. Mathematics courses shall consist of Algebra I, Geometry, Algebra II and additional courses with significant mathematics content. Please see Math Course Offerings flowchart to see recommended courses for your year of math.*

### Tanque Verde High School Math Progression



\*Students with Ds or lower in 11<sup>th</sup> grade Algebra II or Precalculus/Trigonometry may take Statistics / Discrete Math in 12<sup>th</sup> grade

### Algebra I

**Course Number:** MAT101 and MAT102

Linear equations are the focus of the first semester. Polynomial equations, with an emphasis on the quadratic equation, are the focus of the second semester. Graphing, manipulation of algebraic symbols, factoring and logic are used to find real number solutions when solving problems, describing relationships and patterns and evaluating real-life situations. Additional topics include inequalities, elementary probability and statistics, exponent, radicals, and scientific notation. Students are expected to acquire the mathematical skills necessary to be successful in Geometry and Algebra II. This class will implement the Arizona College and Career Readiness Standards. Daily homework is given.

**Grades:** 9 **Prerequisite:** None

**Credit:** 1.0 Credit, 2 Semesters **Fee:** None

## **Geometry**

**Course Number:** MAT201 and MAT202

Plane geometry is the focus of this course. Formal and informal proofs are used to derive theorems about angles, parallel lines, triangles, parallelograms, polygons and circles. Students make conjectures and conclusions based upon these geometric principles and relationships. They use algebra and probability skills to solve geometric problems. Additional standards include coordinate geometry, solid geometry and transformations. This class will implement the Arizona College and Career Readiness Standards. Daily homework is given. A graphing calculator is required for this course.

**Grades:** 9-10 **Prerequisite:** Algebra I

**Credit:** 1.0 Credit, 2 Semesters **Fee:** None

## **Honors Geometry** (*not offered in 2022-23*)

**Course Number:** MAT203 and MAT204

This one-year course provides an in-depth analysis of the topics covered in the standard Geometry curriculum. This course is recommended for students who have a strong foundation in mathematics.

Students will be expected to put a heavy emphasis on

higher level thinking skills, strong mathematical capabilities and independent learning. This course is for students who comprehend mathematical concepts with little difficulty and demonstrate some independence and self-direction in their learning. A graphing calculator is required for this course.

**Grades:** 9-10 **Prerequisite:** Algebra I

**Credit:** 1.0 Credit, 2 Semesters **Fee:** None

## **Algebra II**

**Course Number:** MAT301 and MAT302

Algebra II builds on the topics covered in Algebra I. This course places a focus on the concept of functions, their graphs, their uses for modeling, their transformations, and studying various ways to solve equations. The types of functions covered in Algebra II include: linear, quadratic, polynomial, rational, radical, exponential, logarithmic, and trigonometric functions. The course also covers systems of linear and quadratic equations, statistics & probability, and matrices and their applications. A graphing calculator is required for this course.

**May have a 0 hour option**

**Grades:** 9-12 **Prerequisite:** Geometry

**Credit:** 1.0 Credit, 2 Semesters **Fee:** None

## **Honors Algebra II**

**Course Number:** MAT353 and MAT354

This one-year course provides an in-depth analysis of the topics covered in the standard Algebra 2 curriculum. This course is recommended for students who have a strong foundation in mathematics.

Students will be expected to put a heavy emphasis on higher level thinking skills, strong mathematical capabilities and independent learning. This course is for students who comprehend mathematical concepts with little difficulty and demonstrate some independence and self-direction in their learning. A graphing calculator is required for this course.

**Grades:** 9-12 **Prerequisite:** Geometry; grade of B or better recommended in previous math courses.

**Credit:** 1.0 Credit, 2 Semesters **Fee:** None

## **AP Statistics**

**Course Number:** MAT460 and MAT461

This course is an introduction to major concepts and tools for collecting, analyzing, and drawing conclusions

from data. Students are exposed to four major concepts: exploring data, sampling and experimentation, anticipating patterns, and statistical inferences. Students are expected to take the AP Statistics exam. A graphing calculator is required for this course. **Grades:** 11-12 **Prerequisite:** Algebra 2

**Credit:** 1.0 Credit, 2 Semesters **Fee:** AP Exam Fee Applies

### **Statistics**

**Course Number:** MAT501

This course is designed to prepare students for college level mathematics and statistics. Topics of study include hypothesis testing, normal distributions, confidence intervals, and creating appropriate models for data. Students will be required to use problem solving and reasoning skills to collect, analyze, and make conclusions about data sets. A graphing calculator is required for this course. **May have a 0 hour option**

**Grades:** 11-12 **Prerequisite:** Algebra II; It is recommended that this course be taken in combination with Discrete

**Credit:** 0.5 Credit, 1 Semester **Fee:** None

### **Discrete Mathematics**

**Course Number:** MAT511

This course is designed to prepare students for college level mathematics. Topics of study include election theory, fair division, matrices and their applications, vertex edge graphs, counting methods and probability, and recursive methods. Students will be required to apply their knowledge to research topics of their choosing. A graphing calculator is required for this course.

**Grades:** 11-12 **Prerequisite:** Algebra II; It is recommended that this course be taken in combination with Statistics

**Credit:** 0.5 Credit, 1 Semester **Fee:** None

### **Honors Precalculus/Trigonometry**

**Course Number:** MAT405 and MAT 406

This course is intended for students who are college-bound and who want to strengthen their algebraic foundations. First semester topics include functions, equations, polynomial expressions, symbolic reasoning, graphic calculator use, and the use of function and equations in real-life problems. Second semester topics include the study of angles, properties of graphs of trigonometric functions, fundamental identities, inverse trigonometric functions, trigonometric equations, and their application to physics, engineering, and other sciences. **One section of this course will be offered zero hour.**

**Grades:** 10-12 **Prerequisite:** Algebra II, grade of B or better in Algebra II recommended.

**Requires zero hour paperwork (if applicable).**

**Credit:** 1.0 Credit, 2 Semesters **Fee:** None

### **AP Calculus AB**

**Course Number:** MAT475 and MAT476

This course is an introduction to analytical geometry and calculus. Topics include limits and continuity, derivatives, applications of the derivative, and integration. Students are expected to take the AP Calculus exam. A graphing calculator is required for this course.

**Grades:** 11-12 **Prerequisite:** Honors Pre-Calculus/Trig

**Credit:** 1.0 Credit, 2 Semesters **Fee:** AP Exam Fee applies

### **AP Calculus BC**

**Course Number:** MAT573 and MAT574

This course is a continuation of AP Calculus AB. Topics include techniques and applications of integration,

numerical integration, improper integrals, separable integrals, separable differential equations, sequences, infinite series, and other related topics. Students are expected to take the AP Calculus exam.

**Grades:** 12 **Prerequisite:** AP Calculus AB

**Credit:** 1.0 Credit, 2 Semesters **Fee:** AP Exam Fee applies

### **Personal Finance**

**Course Number:** MAT221 and MAT222

This course introduces students to the fundamentals of personal finance. The course covers budgeting and cash-flow management, savings and checking accounts, credit use, planned borrowing, taxes, and managing major expenditures such as automobiles and housing. **(This course does NOT meet the requirements set by the Arizona Board of Regents for admission to in-state public universities.)**

**Grades:** 11-12 **Prerequisite:** None

**Credit:** 1.0 Credit, 2 Semesters **Fee:** None

### **Resource Math**

**Course Number:** 9thGr MAT012 & MAT013; 10thGr MATMAT014 & MAT015; 11thGr MAT016 & MAT017; 12thGr MAT018 & MAT019

This is a general education math course for students with an IEP.

**Grades:** 9-12 **Prerequisite:** Students must have an IEP; Instructor approval required

**Credit:** 1.0 Credit, 2 Semesters **Fee:** None

## WORLD LANGUAGES

*2.0 credits of the same language required for TVHS graduation.*

### Spanish I

**Course Number:** MCL101 and MCL102

The goal of this course is to provide students with a firm foundation in the fundamentals of listening, reading, writing and speaking in Spanish. Students develop and demonstrate proficiency through the introduction of vocabulary, grammar, sentence structures, and immersive practice. Students are also presented with the history and culture of Spanish-speaking people and communities from Europe, Africa, and the Americas in order to compare and contrast the similarities and differences between communities.

**Grades:** 9-12 **Prerequisite:** None

**Credit:** 1.0 Credit, 2 Semesters **Fee:** None

### Spanish II

**Course Number:** MCL201 and MCL202

The goal of this course is to provide a more extensive study of the structural grammar and other basic fundamental skills of the Spanish language. Emphasis is placed on increasing the student's ability to read, write, listen and speak Spanish. Students develop and implement communicative skills through the introduction of vocabulary, grammar, and sentence structures. Cultural aspects are presented to enable students to understand the differences and nuances of the Spanish speaking people and their language community.

**Grades:** 9-12 **Prerequisite:** Spanish I

**Credit:** 1.0 Credit, 2 Semesters **Fee:** None

### Spanish III

**Course Number:** MCL301 and MCL302

In this expanding engagement with Spanish, students deepen their focus on four key skills in foreign language acquisition: listening comprehension, speaking, reading, and writing. In addition, students read works of literature in Spanish and respond orally or in writing to these works. Continuing the pattern and building on what students encounter in the first two years, each unit consists of a new vocabulary theme and grammar concept, numerous interactive games reinforcing vocabulary and grammar, reading and listening comprehension activities, speaking and writing activities, and multimedia cultural presentations covering major Spanish-speaking areas in Europe, Africa, and the Americas.

**Grades:** 10-12 **Prerequisite:** Spanish II, grade of C or better in Spanish II is recommended.

**Credit:** 1.0 Credit, 2 Semesters **Fee:** None

### Spanish IV: MCL403 and MCL404

This class is an advanced language course in which students acquire proficiencies that expand their cognitive, analytical, and communication skills. Students deepen their focus on four key skills in foreign language acquisition: listening comprehension, speaking, reading, and writing. In addition, students read significant literature in Spanish and respond orally or in writing to these works. Continuing the pattern and building on what students encounter in the first three years, each unit consists of a new vocabulary theme and grammar concept, numerous interactive games reinforcing vocabulary and grammar, reading and listening comprehension activities, speaking and writing activities, and multimedia cultural presentations covering major Spanish-speaking areas in Europe, Africa, and the Americas.

**Grades:** 10-12 **Prerequisite:** Spanish III, grade of C or better in Spanish III is recommended.

**Credit:** 1.0 Credit, 2 Semesters **Fee:** AP Exam fee applies

## **AP Spanish**

**Course Number:** MCL415 and MCL416

This class is an advanced language course in which students acquire proficiencies that expand their cognitive, analytical, and communication skills. The course prepares students for the AP Spanish Language and Culture Exam. It uses the three modes of communication (interpersonal, interpretive, and presentational) as defined in the Standards for Foreign Language Learning in the 21st Century. The course is designed as an immersion experience and is conducted almost exclusively in Spanish. IN addition, all student work is in Spanish. The course teaches language structures in context and focuses on culture in both contemporary and historical contexts to develop an awareness and appreciation of cultural products, practices, and perspectives. In addition, students participate in a forum where they are able to share their opinions and comments about various topics and comment on other students' posts.

**Grades:** 10-12 **Prerequisite:** Spanish III, grade of C or better in Spanish III is recommended.

**Credit:** 1.0 Credit, 2 Semesters **Fee:** AP Exam fee applies

## **French I MCL503 and MCL504**

**Course Number:**

This is an introduction to the only language that is used as an official language on all five continents and in the U.N., spoken by about 200 million people in some 40 countries. The goals for this class are to develop basic listening, speaking, reading, and writing skills which stress the appropriate use of the French language. Students develop and implement communicative skills through the introduction of vocabulary, grammar, and sentence structures. Cultural aspects are presented to enable students to understand the differences and nuances of French speaking people and their language communities around the world--in Europe, the Americas, Africa, the Caribbean, and the South Pacific.

**Grades:** 9-12 **Prerequisite:** None

**Credit:** 1.0 Credit, 2 Semesters **Fee:** None

## **French II**

**Course Number:** MCL505 and MCL506

This course provides a more extensive study of the structural grammar and other basic fundamental skills of the French language. Emphasis is placed on increasing the student's ability to read, write, listen and speak French as they learn more about the French-speaking world. Culture and geo-political awareness are also included.

**Grades:** 9-12 **Prerequisite:** Passing French I with a C or above.

**Credit:** 1.0 Credit, 2 Semesters **Fee:** None

## **French III (Starting Fall of 2023)**

**Course Number:** MCL507 and MCL508

In this expanding engagement with French students deepen their focus on four key skills in foreign language acquisition: listening comprehension, speaking, reading, and writing. In addition, students read significant works of literature in French and respond orally or in writing to these works. Continuing the pattern and building on what students encounter in the first two years, each unit consists of a new vocabulary theme and grammar concept, numerous interactive games reinforcing vocabulary and grammar, reading and listening comprehension activities, speaking and writing activities, and multimedia cultural presentations covering major French-speaking areas in Europe, Africa, the Caribbean, the Americas, and the South Pacific.

**Grades:** 10-12 **Prerequisite:** Passing French II with a C or above.

**Credit:** 1.0 Credit, 2 Semesters **Fee:** None

## PHYSICAL EDUCATION

### Physical Education

**Course Number:** PES803 and PES804

The standards based assessment and maintenance of physical fitness to improve health and performance; the requisite knowledge of fitness, team sports, and games, concepts and strategies; all with the inclusion of physical, cognitive, and affective health. **Students must wear a TVHS PE uniform.**

**Grades:** 9-12 **Prerequisite:** None

**Credit:** 0.5 Credit, 1 Semester. Course may be repeated for credit.

**Fee:** Requires purchase of PE uniform and locker rental

### Weight Training

**Course Number:** PES801 and PES802

This course utilizes machines and free weights with an emphasis on learning proper form, techniques, spotting, program design and safety. Students explore plyometrics and cross training. Goal setting and recording are part of the assessment. **Students must wear a TVHS PE uniform.**

**Grades:** 9-12 **Prerequisite:** None

**Credit:** 0.5 Credit, 1 Semester. Course may be repeated for credit.

**Fee:** Requires purchase of PE uniform and locker rental

### Lifetime Activities

**Course Number:** PES837 and PES838

This class focuses on putting the students in unique situations to teach them about taking responsibility for their decisions through lifelong, exercise and leisure activities. Students will participate in a variety of communication, teamwork, and problem solving scenarios through movement such as: fitness, geocaching, golf, bowling, and more. **Students must wear a TVHS PE uniform.**

**Grades:** 10-12 **Prerequisite:** None

**Credit:** 0.5 Credit, 1 Semester. Course may be repeated for credit.

**Fee:** Requires purchase of PE uniform and locker rental

## SCIENCE

*3.0 credits are required for TVHS graduation.*

### Earth Science

**Course Number:** SCI101 and SCI102

In this course, students will investigate and study the interactions between the four major Earth spheres: the geosphere, atmosphere, hydrosphere and biosphere. Topics studied include, but are not limited to, the scientific method, mapping Earth's surface, minerals, rocks, plate tectonics, earthquakes, volcanoes, geologic time, and meteorology. A significant portion of the class will also focus on space science and understanding the motions of planets, stellar evolution and the nature of the universe. Students will participate in laboratory exercises, small group activities, web based investigations, class discussions, projects, and research.

**Grades:** 9-12 **Prerequisite:** None

**Credit:** 1.0 Credit, 2 Semesters **Fee:** Goggles are required materials

### AP Environmental Science

**Course Number:** SCI156 and SCI157

The goal of the AP Environmental Science course is to provide students with the scientific principles, concepts, and methodologies required to understand the interrelationships of the natural world, to identify and analyze environmental problems both natural and human-made, to evaluate the relative risks associated with these problems, and to examine alternative solutions for resolving or preventing them. Environmental science is interdisciplinary; it embraces a wide variety of topics from different areas of study. Yet there are several major unifying constructs, or themes, that cut across the many topics included in the study of environmental science.

**Grades:** 9-12 **Prerequisite:** 9th grade = A grade of "B" or better in science is recommended  
10th - 12 grade = Chemistry or Honors Chemistry

**Credit:** 1.0 Credit, 2 Semesters **Fee:** Goggles and lab apron are required materials, **Fee applies, AP Exam fee applies.**

### Biology

**Course Number:** SCI201 and SCI202

What does it mean to be alive? This course surveys the living world in order to answer that question. Topics of study include; biochemistry, cellular structure, genetics and heredity, Earth history, evolution and natural selection, and ecology and basic anatomy. Students use the investigative processes of science to develop an in-depth understanding of the diversity of life forms, how they function and the biochemical processes involved in their functioning.

**Grades:** 10-12 **Prerequisite:** Earth Science

**Credit:** 1.0 Credit, 2 Semesters **Fee:** Goggles and lab apron are required materials

### Honors Biology

**Course Number:** SCI253 and SCI254

This course focuses on the same primary concepts as standard biology but with a greater depth of material and a focus on developing explanations of phenomena in the natural world. Students study the living world and engage in topics including diversity and populations, matter and energy, feedback loops, genetics, the molecular basis of heredity, and development and speciation. Students design and conduct multiple experiments throughout the year. This course is designed for the responsible, independent student who is committed to a thorough understanding of biological principles and the advanced use of scientific processes.

**Grades:** 10 **Prerequisite:** Algebra I; Earth Science or Instructor Approval; a grade of "B" or better in science is recommended



**Credit:** 1.0 Credit, 2 Semesters **Fee:**

Goggles and lab apron are required materials

### **AP Biology**

**Course Number:** SCI273 and SCI274

Students learn two semesters of college equivalent biology: molecules and cells, heredity and evolution, organisms and populations. Students develop a conceptual framework for modern biology and appreciation of science as a process. Students use personal experience in scientific inquiry, recognize unifying themes that integrate the major topics of biology and apply biological knowledge and critical thinking to environmental and social concerns. This rigorous course is intended for academically motivated students with an interest in learning college biology. An AP Biology exam is offered in May for students to qualify for college credit based on the score earned. Students are expected to take the AP Exam in May.

**Grades:** 11-12 **Prerequisite:** Instructor Approval; a grade of "B" or better in AP Environmental or Biology AND Chemistry recommended.

**Credit:** 1.0 Credit; 2 Semesters **Fee:** Fee applies; **AP Exam fee applies.** Goggles and lab apron are required materials

### **Chemistry**

**Course Number:** SCI301 and SCI302

Chemistry is a full-year course intended to expand the student's knowledge of the properties of materials and the changes the materials undergo. Topics include the structure of matter, the physical, chemical and nuclear changes of matter and the energy that accompanies these changes. Laboratory exercises validate concepts learned in class and encourage inquiry. Quantitative relationships are developed throughout the course, requiring mathematical skills in Algebra and Geometry.

**Grades:** 10-12 **Prerequisite:** Geometry; concurrent enrollment in Algebra II

**Credit:** 1.0 Credit, 2 Semesters **Fee:** Goggles and lab apron are required materials

### **Honors Chemistry**

**Course Number:** SCI353 and SCI354

This one-year course provides an in-depth analysis of the topics covered in the standard Chemistry curriculum. This course is recommended for students who appreciate the complex analytical relationships that exist between science and mathematics. A heavy emphasis on higher level thinking skills, strong mathematical capabilities and independent learning occurs. This course is for students who comprehend scientific concepts with little difficulty and demonstrate some independence and self-direction in their learning.

**Grades:** 10-12 **Prerequisite:** Instructor Approval, Geometry and concurrent enrollment in Algebra II. A grade of "B" or better in science is recommended.

**Credit:** 1.0 Credit, 2 Semesters **Fee:** Goggles and lab apron are required materials

### **DE Chemistry 151 (Dual enrollment with PCC)**

**Course Number:** SCI393 and SCI394

This is a year-long advanced chemistry course, including lecture and laboratory components. Topics include atomic structure, chemical bonding, stoichiometry, thermochemistry, behavior of gases, and properties of solutions. Students will apply analytical and mathematical skills to solve complex chemical problems. Solid chemical and mathematical background, and strong study skills are required. **Summer reading/project is required for this class.**

**Grades:** 11-12 **Prerequisite:** Instructor Approval.

Students must meet the requirements of the Writing, Math and California Chemistry Diagnostic tests offered by PCC.

**Credit:** 1.0 Credit, 2 Semesters **Fee: Fee Applies;** Goggles and lab apron are required materials

### **DE Chemistry 152 (Dual enrollment with PCC)**

**Course Number:** SCI495 and SCI496

This is a continuation of Chemistry 151. This class emphasizes chemical kinetics, equilibrium, acid-base reactions, thermodynamics and electrochemistry. This is a year-long advanced chemistry course, including lecture and laboratory **components. Summer reading/project is required for this class.**

**Grades:** 11-12 **Prerequisite:** Completion of Chemistry 151; Instructor Approval. Students must meet the requirements of the Writing, Math, and California Chemistry Diagnostics tests offered by PCC.

**Credit:** 1.0 Credit, 2 Semesters **Fee: Fee Applies;** Goggles and lab apron are required materials

### **Conceptual Physics**

**Course Number:** SCI503 and SCI504

Conceptual Physics places emphasis primarily on the concepts of the topics of motion, forces, energy and matter. The mathematical content of this course is less rigorous than a standard physics course. However, basic mathematics skills will still be utilized for problem solving. This course will help develop critical thinking skills and laboratory practices applicable to future science courses at both the high school and collegiate levels. This course builds a fundamental foundation for algebra based collegiate level physics courses.

**Grades:** 11-12 **Prerequisite:** 1.0 credit of Science

**Credit:** 1.0 Credit, 2 Semesters **Fee:** Goggles are required materials

### **Honors Physics**

**Course Number:** SCI507 and SCI508

Honors Physics is a more rigorous exploration of the fundamental physical concepts of motion, forces, energy and matter. Emphasis is placed on representations of phenomena through modelling with pictorial, graphical, and mathematical representations. It is intended to develop student critical thinking, analysis and problem solving skills. This course builds a fundamental foundation for calculus based collegiate level physics courses for students interested in pursuing studies in the sciences and engineering fields.

**Grades:** 11-12 **Prerequisite:** 1.0 Credit of Science. Grade of "B" or better in previous math courses and concurrent enrollment in Honors Pre-Calc/Trig recommended

**Credit:** 1.0 Credit, 2 Semesters **Fee:** Goggles are required materials

## Which Science Class Do I Select?

I have an A or a B in High School Math



**9th Grade:** Honors Biology  
**10th Grade:** Honors Chemistry  
**11th Grade:** DE 151, AP Biology or Honors Physics  
**12th Grade:** DE 152, AP Biology, Honors Physics, AP Environmental Science

I have an A or a B in 8th Grade Math



**9th Grade:** AP Environmental Science  
**10th Grade:** Honors Biology  
**11th Grade:** Honors Chemistry  
**12th Grade:** DE 151, Honors Physics, AP Biology

I have Cs and D's in Math



**9th Grade:** Earth Science  
**10th Grade:** Biology  
**11th Grade:** Chemistry, Conceptual Physics  
**12th Grade:** Conceptual Physics, Honors Physics, AP Environmental Science

\*Students may take two science classes at the same time with teacher approval

## SOCIAL STUDIES

*3.0 credits required for TVHS graduation to include 1.0 credit of World History, 1.0 credit of U.S. History, 0.5 credit of U.S. Government, and 0.5 credit of Economics.*

### **U.S. Government for Freshmen (required for Class of 2025 and beyond)**

Course Number: SOC502

This semester-long course provides a comprehensive study of government in the United States, including the basic principles of American government and political culture and a cross-cultural examination of institutions, processes, and public policies. Students will study the structure and functions of government and examine their role in government participation. This course fulfills the government credit required for graduation.

(This course can be paired with Student Success taken in the fall semester.)

**Grades:** 9 **Prerequisite:** None

**Credit:** 0.5 Credit, 1 Semester **Fee:** None

### **U.S. Government for Seniors (required for Class of 2023, 2024)**

Course Number: SOC502

This semester-long course provides a comprehensive study of government in the United States, including the basic principles of American government and political culture and a cross-cultural examination of institutions, processes, and public policies. Students will study the structure and functions of government and examine their role in government participation. This course fulfills the government credit required for graduation.

(This course will be paired with economics)

**Grades:** 12 **Prerequisite:** None

**Credit:** 0.5 Credit, 1 Semester **Fee:** None

### **World History**

**Course Number:** SOC201 and SOC202

This course includes a history of the world's civilizations from 1200 CE to present, through the study of political developments, social structures, and economic systems. Students study the relationship of the present to the past, emphasizing key people, events, places and documents that contributed to the formation of the modern world. This course fulfills the World History requirement for graduation.

**Grades:** 10 **Prerequisite:** None

**Credit:** 1.0 Credit, 2 Semesters **Fee:** None

### **AP World History**

**Course Number:** SOC253 and SOC254

The Advanced Placement course is for students who want a challenge and are interested in the discipline of history. This course looks at world history from a global perspective, beginning with a study of human geography and world religions, then focusing on societies, events, people, and processes from 1200 CE to present. Students will discuss the history and cultures of the world using a variety of primary and secondary sources. Factual knowledge is emphasized through analysis and interpretation of historical evidence. This course includes a summer assignment. It is expected that most students in this course will take the AP Exam in May.

**Grades:** 10 **Prerequisite:** Instructor Approval; a grade of "B" from previous social studies and/or English course is recommended.

**Credit:** 1.0 Credit, 2 Semesters **Fee:** AP Exam fee applies

## **United States History**

**Course Number:** SOC301 and SOC302

Students analyze the American experience through time, recognizing the relationships of events and people, and interpreting significant patterns, themes, ideas, beliefs and turning points in American history. The standards include the study of the rich and diverse contributions people of many backgrounds have made to American life and institutions, and emphasize our shared heritage as citizens of the United States. This course fulfills the U.S. History requirement for graduation.

**Grades:** 11 **Prerequisite:** None

**Credit:** 1.0 Credit, 2 Semesters **Fee:** None

## **AP United States History**

**Course Number:** SOC375 and SOC376

This course is a college-level course that focuses on developing students' ability to think conceptually about history from approximately 1491 to the present and apply historical thinking skills as they learn about the past. This course fulfills the US History requirement for graduation, and students may obtain college credit based on their score on the AP Exam taken in May. Students are expected to take the AP Exam.

**This course includes a summer assignment to be completed before school begins in August.**

**Grades:** 11 **Prerequisite:** Instructor Approval; a grade of "B" from previous social studies and/or English course is recommended.

**Credit:** 1.0 credit, 2 semesters **Fee:** AP Exam fee applies

## **Economics**

**Course Number:** SOC602

This semester-long course provides a comprehensive study of economics from microeconomics, macroeconomics, global economics, and personal finance. Students will study how individuals, societies, and countries satisfy their unlimited wants with limited resources. This course fulfills the economics requirement for graduation.

**Grades:** 12 **Prerequisite:** None

**Credit:** 0.5 Credit, 1 Semester **Fee:** None

## **AP U.S. Government & Politics**

**Course Number:** SOC575 and SOC576

This course will challenge students to develop a college-level understanding of nonpartisan key political concepts, institutions, and behaviors that characterize the constitutional system and political culture of the United States. Students will study foundational documents and Supreme Court decisions, and complete a participation research project. This course fulfills the government credit required for graduation. Students may obtain college credit based on their score on the AP Exam taken in May. Students are expected to take the AP exam. **This course includes a summer assignment to be completed before school begins in August.**

**Grades:** 12 **Prerequisite:** Instructor Approval; a grade of "B" from previous social studies and/or English course is recommended.

**Credit:** 1.0 Credit, 2 Semesters **Fee:** AP Exam Fee applies

## ELECTIVES

*6.0\* credits of electives are required for TVHS graduation. (\*starting with the class of 2025) Once a student completes the credits required for a specific subject, any additional credits received in that subject area are added to electives.*

### AP Psychology

**Course Number:** ELE022 and ELE023

This year-long course is designed as the equivalent experience of a one semester introductory college course in the study of general psychology. Students will explore theories and concepts related to human behavior and mental processes, with a particular emphasis on brain biology and research methods. The course includes relevant and practical applications of the major themes and topics in the field.

**Grades:** 11-12 **Prerequisite:** None

**Credit:** 1.0 Credit, 2 Semesters **Fee:** AP Exam Fee

### Yearbook Publications:

**Course Number:** ELE183 and ELE184

This course provides students with the knowledge and skills necessary to produce the school yearbook. Students may gain experience in several components (writing, editing, layout, production, and so on) or may focus on a single aspect while producing the publication.

**Grade:** 9-12 **Prerequisite:** None

**Credit:** 1.0 Credit, 2 Semesters **Fee:** None

### Student Success 1

**Course Number:** ELE122

**This is a required elective class for freshman students.** This is a semester-long course that provides students with an opportunity to explore careers, develop their Education and Career Action Plan (ECAP), develop study and organizational skills needed for a successful transition to high school, and will provide employability, career, and post-secondary transition skills.

**Grades:** 9 **Prerequisite:** None

**Credit:** 0.5 Credit, 1 Semester **Fee:** None

### Student Council

**Course Number:** ELE401 and ELE402

Student Council is open to students in grades 9-12. This class provides an opportunity to further develop the characteristics of leadership and team building. Members become role models for campus, district, and community. Students will gain additional skills in communication, organization, managerial skills, public speaking, and goal setting. Students should be aware they will be required to participate in setup and breakdown of school dances, participate in school assemblies, classroom discussions, and complete a required amount of community service hours. **Students must commit to activities outside of classroom hours.**

**Grades:** 9-12 **Prerequisite:** Application and teacher approval only

**Credit:** 1.0 Credit, 2 Semesters **Fee:** None

Course may be repeated for credit.

### Honors Pre- World History and Geography

**Course Number:** ELE309 and ELE310

This course is designed to prepare students for future AP history coursework. Students will build essential skills in the areas of source analysis; interpretation of maps, charts and graphs; evidence-based writing; and

academic conversation. Course content provides a background for further study in AP World History.

**This course will be offered zero hour ONLY.**

**Grades:** 9 **Prerequisite:** Requires zero hour paperwork **Credit:** 1.0 Credit, 2 Semesters **Fee:** None

### **Mock Trial I, II, III, and IV**

**Course Number:** ELE301 and ELE302 (Mock Trial I)

ELE303 and ELE304 (Mock Trial II) ELE305 and ELE306 (Mock Trial III)

ELE307 and ELE308 (Mock Trial IV)

This course is focused on teaching students public speaking skills and debate through trial advocacy. Students will become familiar with witness questioning techniques and defense and plaintiff/prosecution arguments. The class will employ a variety of strategies including research, discussion, and simulation. The first semester of this course students will learn the set-up and process of Mock Trial. Guest speakers will visit class and an attorney coach will be in class to help advise students with the law and the trial system. Students will be required to prepare for and attend the Mock Trial regional competition held in Tucson in early March.

This course requires considerable public speaking. Students are expected to meet with working groups outside of class time. **This course will be offered zero hour ONLY.**

**Grades:** 9-12 **Prerequisite:** Instructor approval; Must complete each level to move on to the next.

Requires zero hour paperwork

**Credit:** 1.0 Credit, 2 Semesters **Fee:** Fee Applies

### **Study Support**

**Course Number:** ELE331 and ELE333

Support classes are for students with current Individual Education Plans (IEPs) who require additional time and support in order to master the concepts. Study skills, time management, prioritizing, and test-taking skills are also emphasized on an individual basis. **Grades:** 9-12 **Prerequisite:** Students must have a current IEP **Credit:** 0.5 Credit **Fee:** None

Course may be repeated for credit.

## Community-Based Instruction

*Community-Based Instruction courses are specifically for students with an IEP. Credit for these courses are specified with each course.*

### Essential English

**Course Number:** 9thGr ENG020 & ENG021; 10thGr ENG022 & ENG023; 11thGr ENG024 & ENG025; 12thGr ENG026 & ENG027 This course is designed to meet the needs of students with an IEP with special attention given to development of basic skills. The objectives of the course are to provide learning opportunities through demonstration and practice of listening behaviors, oral communication, written expression and reading. Grammar usage, spelling and vocabulary building are emphasized. College-bound students are recommended to take general education English classes.

**Grades:** 9-12 **Prerequisite:** Students must have an IEP; teacher approval necessary.

**Credit:** English 0.5 Credit **Fee:** None

Course may be repeated for credit.

### Essential Science

**Course Number:** 9thGrSCI005 & SCI006; 10thGr SCI007 & SCI008; 11thGr SCI009 & SCI010; 12thGr SCI011 & SCI012

**Grades:** 9-12 **Prerequisite:** Students must have an IEP; teacher approval necessary.

**Credit:** Science 0.5 Credit **Fee:** None

Course may be repeated for credit.

### Essential Social Studies

**Course Number:** 9thGrSOC005 & SOC006; 10thGr SOC007 & SOC008; 11thGr SOC009 & SOC010; 12thGr SOC011 & SOC012

**Grades:** 9-12 **Prerequisite:** Students must have an IEP; teacher approval necessary.

**Credit:** Social Studies 0.5 Credit **Fee:** None

Course may be repeated for credit.

### Applied Fundamental Math

**Course Number:** 9thGr MAT052 & MAT053                      10thGr MAT054 & MAT055  
11thGr MAT056 & MAT057                      12thGr MAT058 & MAT059

This course is for students with an active IEP. It strengthens the student's math skills related to home and community independence. Instruction will be included in activities that increase student's basic math skills for everyday living for independence in school and community settings. Activities include money, time, and budget management.

**Grades:** 9-12

**Prerequisite:** Students must have an IEP; teacher approval necessary.

**Credit:** Math 0.5 Credit

**Fee:** None

Course may be repeated for credit.

### Everyday Daily Skills

**Course Number** ELE007 and ELE008

This course is for students with an active IEP. This course includes instruction in the areas of vocational/employment, daily living skills, social and community experiences, post school adult living and basic reading, writing and math skills. Students will have the opportunity to work on maximizing independence in domestic, recreational/leisure, use of personal time, and community skills.



**Grades:** 9-12

**Prerequisite:** Students must have an IEP; teacher approval necessary.

**Credit:** Elective 0.5 Credit

**Fee:** None

Course may be repeated for credit.