
Tanque Verde High School



Course Catalog 2019-2020

***An "A" Rated Arizona High School
Make It Yours!***

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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 2014-2015 are: business/computer technology, industrial technology, and Pima County Joint Technology District (Pima JTED) Satellite Programs. 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 2014-2015 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.

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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.

Subject	Credits
English	4.0
Math	4.0
Science	3.0
Social Studies	3.0
Physical Education	1.0
Health	0.5
Career & Technical Education (CTE) and Fine Arts*	2.0
Electives	5.5
Total Credits	23.0

* 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)

Four Year Planning Guide

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

9th Grade

1. English 9 or Honors English 9
2. Math (Algebra I or Geometry)
3. Earth Science or Honors Biology
4. Student Success/Health
5. Elective*
6. Elective*

11th Grade

1. English 11 or AP English Language
2. Math (Algebra II or Adv. Math courses)
3. Additional Life or Physical science
4. US History or AP US History
5. Elective*
6. Elective*

10th Grade

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

12th Grade

1. English 12 or AP English Literature
2. Math
3. US Government/Economics
4. Elective*
5. Elective*
6. Elective*

*Required electives include 1.0 credits of PE, 0.5 credit of Health, and 2.0 combined credits of CTE/fine arts. An additional 5.5 elective credits are required after these have been met.

Arizona State mandated Test Requirements

Each Tanque Verde High School student is required by state and federal law to successfully complete mandatory testing as part of graduation requirements. TVHS will use the College Board SAT (Scholastic Aptitude Test) with all 11th grade students as our school wide measuring tool. 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 9th graders coming from charter or private schools upon receiving a completed credit request form available from the registrar and approval 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, and Juniors must carry a minimum of six (6) classes on their schedule each semester. Seniors must take a minimum of five (5) classes each semester as long as their total credits enable them to graduate in their cohort year. **Courses offered through JTED can count as one of the five (5) classes as they are considered out-of-district classes.**

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 2016-2017 school year is in the 2020 cohort, 2020 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 (2023)	0-6 credits	Junior (2021)	13-18 credits
Sophomore (2022)	6-12 credits	Senior (2020)	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" or "Pre-AP" on the students' transcripts and are weighted an additional 0.25 GPA points. Advanced Placement (AP) and Dual-Enrollment courses are identified by "A" on the students' transcripts and are weighted an additional 0.50 GPA points.

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

Grade	Standard Course	Honor/Pre-AP Course	AP/Dual-Enrollment Course
A	4.0	4.25	4.5
B	3.0	3.25	3.5
C	2.0	2.25	2.5
D	1.0	1.25	1.5
F	0.0	0.00	0.0

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 Sciences	3.0 credits
Mathematics	4.0 credits	Fine Arts	1.0 credits
Lab Science	3.0 credits	Foreign Language	2.0 credits of the same language

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 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 and university admissions policies.

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 Clearinghouse eligibility standards. You may check the list of NCAA courses located on the Resources page of the Eligibility Center Web site at 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. Our Edgenuity courses offer flexible scheduling, are self-paced, and offer advanced college preparation to meet individual student needs. All courses are delivered digitally via online by a certified teacher. DLP courses are offered for credit enhancement or 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. **These projected course offerings are dependent upon a minimum enrollment of twenty (20) students per class. Courses with fewer students may be cancelled.** Students need to register for academic courses, desired electives and alternative options to ensure continual progress in case of course cancellations.

Zero Hour

Tanque Verde High School offers zero hour classes in several courses. Class offerings will be limited and based upon availability. Zero hour classes will meet Monday, Wednesday, Thursday, and Friday from 7:50-8:55 AM. Zero hour transportation is the responsibility of the student. There will be no district bus transportation for this class. Please understand that transportation must be in place for the entire school year. Parking policies will be enforced for zero hour. This means students with valid parking permits may park on campus or in the areas adjacent to campus. Students must have transportation to leave campus if they finish classes prior to the end of 7th period. Use of the library as a place for independent study/study hall will not be permitted. Seniors may count a zero hour class as one of their 5 required classes. Drop/Add procedures are listed in the course catalog and apply to all zero hour classes. Signing up for a year-long class is a year-long commitment. **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. A signed zero hour request contract 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.

Pre-Advanced Placement (Pre-AP) Courses

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. 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 pre-requisites.

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 for college credit. Students pay for each test that they plan to take. College credit and/or advanced course placement 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 pre-requisite 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.

CTE Program of Study: Information Technology

Animation I

Course Number: CTE131 and CTE132

Students will research the animation/media industry, its impact on society, and its emerging technology. Students will learn elements of graphic arts, design, and animation. Students will create and work with 2D/3D modeling software such as Blender and video editing software such as Adobe After Effects. Students will learn about data capture, manipulation, and pre- and post-production. Students will list factors which contribute to the success of radio/television stations and production houses for animation, film and audio, identify hiring criteria for animation jobs, develop strong writing and communication skills, and demonstrate interviewing skills. Students are invited to join SkillsUSA for workshops and competitions throughout the year. Animation is a computer science course and college is usually needed for this industry. Possible careers include: Game Developer, Graphic Arts Designer, Animator, and Production Designer.

Grades: 10-12

Credit: 1.0 Credit, 2 Semesters (10.0200.15)

Prerequisite: None

Fee: None



Animation II

Course Number: CTE133 and CTE134

Students will expand their skills and knowledge by researching and creating animation using a gaming engine software such as Unity. Students will code using C# scripting language to develop games and virtual reality (VR) in Unity. Students will learn graphic arts and design to create animation. Students will create and work with 2D/3D modeling software such as Blender and video editing software such as Adobe After Effects. Students will learn advanced skills in data capture, manipulation, and pre- and post-production. Students will develop strong writing skills and create a demo reel. Students are invited to join SkillsUSA for workshops and competitions throughout the year. Students will be offered the Adobe After Effects (ACA) industry certification at the end of the program. Animation is a computer science course and college is usually needed for this industry. Possible careers include: Game Developer, Graphic Arts Designer, Animator, and Production Designer.

Grades: 10-12

Credit: 1.0 Credit, 2 Semesters (10.0200.60)

Prerequisite: None

Fee: None



Software and Application Design I

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 Skills USA 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: 10-12

Prerequisite: None

Credit: 1.0 Credit, 2 Semesters (15.1200.13)

Fee: None



Software and Application Design II/AP Computer Science

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 Skills USA 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 fee applies



CTE Program of Study: Communications Media Technologies

Graphic and Web Design I/ Student Publications

Course Number: CTE781 and CTE782

Students will learn all aspects of designing, quality assurance, writing, editing, publishing, and distributing the school yearbook and other publications. Interested students should enjoy writing, be able to work independently and with a group, and have creative ideas. Students will learn to use Adobe Illustrator, Photoshop, and InDesign to create digital graphic arts regarding publications and product branding projects. Students will learn the functionality of digital cameras and editing software to produce useable products. Students who take this course need to be committed to short and long-term goals that impact the TVHS community and be willing to take on leadership roles. Students are invited to join SkillsUSA for workshops and competitions throughout the year. College is usually needed for this industry. Occupational careers: Publisher, Journalist, and Graphic Arts Designer.

Grades: 10-12

Prerequisite: None

Credit: 1.0 Credit, 2 Semesters (10.0200.12)

Fee: None



Graphic and Web Design II/ Student Publications

Course Number: CTE783 and CTE784

Students will advance their skills in Adobe Illustrator, Photoshop, and InDesign to create digital graphic arts (infographics and logos) regarding publications (yearbook) and product branding projects. Students will use digital cameras and editing software to produce usable, professional products. Students who take this course will lead short and long-term goals that impact the TVHS community. Year two students will create journalism articles pertaining to publications and provide quality assurance on student publication work. Students are invited to join SkillsUSA for workshops and competitions throughout the year. Adobe InDesign certification is offered to Year 2 students and additional curriculum is added to promote achievement in obtaining the certification. College is usually needed for this industry. Occupational careers: Publisher, Journalist, and Graphic Arts Designer.

Grades: 10-12

Credit: 1.0 Credit, 2 Semesters (10.0200.30)

Prerequisite: Instructor approval

Fee: None



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). Students are invited to join SkillsUSA for workshops and competitions throughout the year.

Grades: 10-12

Credit: 1.0 Credit, 2 Semesters (10.0200.14)

Prerequisite: None

Fee: None



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 student 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 will be offered to students toward the end of this course.

Grades: 11-12

Credit: 1.0 Credit, 2 Semesters (10.0200.50)

Prerequisite: Digital Photography I

Fee: None



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. The Adobe Certified Associate Certification will be offered to students toward the end of this course.

Grades: 12

Credit: 1.0 Credit, 2 Semesters (10.0200.55)

Prerequisite: Digital Photography II

Fee: None



Film & TV I

Course Number: CTE107 and CTE108

Students will learn to work in a functioning studio with sound booth 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. Career focus – prepare for higher courses in the AV Tech fields and internship possibilities.

Grades: 10-12

Prerequisite: None

Credit: 1.0 Credit, 2 Semesters (10.0200.16)

Fee: None



Film & TV II

Course Number: CTE109 and CTE110

Students will be the newest crew to run the TVHS school announcements, creating new intros and a filming schedule, and experiencing the production of a news crew-from writing the script to delivering the news, while working in a functional studio setting with sound booth and high end equipment for a real broadcast experience. Work based learning happens in the on campus green screen recording studio. 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 will be offered at the end of this course.

Grades: 11-12

Prerequisite: Film & TV I

Credit: 1.0 Credit, 2 Semesters (10.0200.90)

Fee: None



Film & TV Production III

Course Number: CTE111 and CTE112

Explore the larger world of professional Broadcast and Journalism. Students will oversee the broadcast studio and mentor Year 2 students with school announcements, 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 II

Credit: 1.0 Credit, 2 Semesters (10.0200.97)

Fee: None



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. Students are invited to join Skills USA for workshops and competitions throughout the year.

Grades: 10-12

Prerequisite: None

Credit: 1.0 Credit, 2 Semesters (15.1300.13)

Fee: None



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

Grades: 11-12

Prerequisite: Mechanical Drafting I; **Requires zero hour paperwork**

Credit: 1.0 Credit, 2 Semesters (15.1300.40)

Fee: None



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 our TVHS student-run 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 expense. 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: None



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 the work-based learning TVHS 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 expense.

Grades: 11-12

Prerequisite: Marketing I

Credit: 1.0 Credit, 2 Semesters (52.1800.20)

Fee: None



Marketing III

Course Number: CTE718 and CTE719

This third level in the program is being developed as an advanced Entrepreneur class. We will work more on student management of the Student Based Enterprise (our school store) 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 working 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 II

Credit: 1.0 Credit, 2 Semesters (52.1800.26)

Fee: None



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. Student 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 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.

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. Each student will be responsible for working alongside the athletic trainer during practices and games on a daily basis. Students will have the opportunity the 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.

Grades: 10-12

Prerequisite: None

Credit: 1.0 Credit (2 semesters) (51.0800.50)

Fee: **Fee Applies**



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. This course offers a 10 hour OSHA Certification program.

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 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. This course also offers a 10-hour OSHA Certification program.

Grades: 10-12

Credit: 1.0 Credit, 2 Semesters (50.0500.25)

Prerequisite: Stagecraft I and/or Instructor approval

Fee: **Fee Applies**



Stagecraft III

Course Number: CTE825 and CTE826

The Stagecraft program prepares 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. 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, 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

Credit: 1.0 Credit, 2 Semesters (50.0500.26)

Prerequisite: Stagecraft II and/or Instructor approval

Fee: **Fee Applies**



Pima County JTED Central Campus Programs

The following Pima County JTED central campus programs require students to complete a separate application for enrollment, in addition to registering at Tanque Verde HS. Go to www.pimajted.org and click on 2017-2018 Enrollment. The following documentation is needed to complete your placement:

- *JTED Enrollment form, completed and signed by student, parent/guardian and counselor*
- *Arizona Residency form, completed and signed by parent/guardian plus a photocopy of an approved document to verify your address*
- *Copy of student's up-to-date Immunization records*
- *Copy of student's official Birth Certificate*

JTED Central Campus Programs offered on the TVHS campus are listed below:

Precision Manufacturing 1-2

Course Number: JTE803 and JTE804

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

Credit: 1.0 Credit, 2 Semesters (48.0500.13)

Prerequisite: None

Fee: None



Precision Manufacturing 3-4

Course Number: JTE805 and JTE806

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. 2nd 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

Credit: 1.0 Credit, 2 Semesters (48.0500.12)

Prerequisite: "C" or better in Precision Manufacturing 1-2

Fee: None



Precision Manufacturing 5-6

Course Number: JTE817 and JTE818

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. **One section of this course will be offered zero hour.**

Grades: 12

Credit: 1.0 Credit, 2 Semesters (48.0500.30)

This course qualifies as a 4th year MATH credit

Prerequisite: "C" or better in Precision Manufacturing 3-4 & instructor recommendation. **Requires zero hour paperwork (if applicable).**

Fee: None



Agriscience I (Applied Biological Systems I)

Course Number: JTE501 and JTE502

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 of applied biological systems eligible for one embedded life science credit if standards are met. FFA activities are emphasized. Requires SAE (Supervised Agricultural Experience) project and ability to work outside of class and recordkeeping. **For NCAA eligibility questions please see your counselor.**

Grades: 9-10

Credit: 1.0 Credit, 2 Semesters (01.0000.10)

Prerequisite: None

Fee: None



Agriscience II (Applied Biological Systems II)

Course Number: SCJ511 and SCJ512

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 applied biological systems course eligible for one embedded science credit if standards are met.* Parliamentary procedure, public speaking, and meeting management will be emphasized. SAE (Supervised Agricultural Experience) and 10 hours of community service required. For NCAA eligibility questions please see your counselor.

Grades: 10-11

Credit: 1.0 Credit; 2 Semesters (01.0000.20)

Prerequisite: Agriscience I

Fee: None



Agriscience III (Animal Science I)

Course Number: JTE600 and JTE601

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

Grades: 11-12

Credit: 1.0 Credit, 2 Semesters (01.0000.25)

Prerequisite: Agriscience II

Fee: None



Agriscience IV (Veterinary Science)

Course Number: JTE610 and JTE611

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.

Grades: 12

Credit: 1.0 Credit, 2 Semesters (01.0000.30)

Prerequisite: Agriscience III

Fee: None



Agriscience-Cooperative Education (Supervised Agricultural Experience-SAE)

Course Number: JTE700 and JTE 701

This course is only available for concurrent enrollment for students currently enrolled in an Agriscience course. The purpose of this course is to recognize student development of professional skills, technical skills, work ethic, and 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 150 hours.

Grades: 9-12

Credit: 1.0, 2 Semesters (01.0000.80)

Prerequisite: Current Agriscience Enrollment

Fee: None



Visit www.pimajted.org for more information on other available central campus programs. These courses are free to TVHS students and credits earned will be noted on the TVHS transcript: • Certified Nursing Assistant/Caregiver • Cosmetology • Culinary Arts • Early Childhood Education • Fire Service • Graphic Design • Healthcare Foundations • Law, Public Safety & Security • Medical Assistant • Multimedia Technologies •

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

English 9 Co-op

Course Number: ENG131 and ENG132

Students with IEPs learn the state standards for English at the appropriate grade level with additional support from the Special Education department.

Grade: 9	Prerequisite: Student must have an IEP
Credit: 1.0 Credit; 2 Semesters	Fee: None

Honors English 9

Course Number: ENG151 and ENG152

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. **Students are expected to complete a summer reading assignment, due on the first day of school.**

Grade: 9	Prerequisite: None
Credit: 1.0 Credit, 2 Semesters	Fee: None

English 10

Course Number: ENG201 and ENG202

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 with a World Literature focus, and recognize the historical and cultural aspects of literature and their impact on theme and meaning in short stories, poems, plays and novels. Reading and analysis of nonfiction articles and texts (including content, structure, purpose and audience) is included. Students compose objective summaries, narrative, and essays including literary analysis, and are introduced to the research process. Students must support answers and ideas with evidence from textual sources. Students write, revise and edit original compositions. Small group and whole class presentations with media are also required.

Grade: 10	Prerequisite: English 9
Credit: 1.0 Credit, 2 Semesters	Fee: None

English 10 Co-op

Course Number: ENG231 and ENG232

Students with IEPs learn the state standards for English at the appropriate grade level with additional support from the Special Education department.

Grade: 10	Prerequisite: English 9; Student must have IEP
Credit: 1.0 Credit, 2 Semesters	Fee: None

Honors English 10

Course Number: ENG251 and ENG252

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. **Students are expected to complete a summer reading assignment, due on the first day of school.**

Grade: 10
Credit: 1.0 Credit, 2 Semesters

Prerequisite: English 9
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 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
Credit: 1.0 Credit, 2 Semesters

Prerequisite: English 10
Fee: None

English 11 Co-op

Course Number: ENG331 and ENG332

Students with IEPs learn the state standards for English at the appropriate grade level with additional support from the Special Education department.

Grade: 11
Credit: 1.0 Credit, 2 Semesters

Prerequisite: English 10; Student must have an IEP
Fee: None

AP English Language and Composition

Course Number: ENG473 and ENG474

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. A focus on analysis helps students to become aware of the interactions among a writer's purposes, audience expectations, and the subject, as well as how to use of specific rhetorical strategies contribute to effectiveness in writing. Students read a wide variety of genres, with the focus on nonfictional rhetoric. **Students are expected to complete a summer reading assignment, due on the first day of school.**

Grade: 11
Credit: 1.0 Credit; 2 Semesters

Prerequisite: English 10
Fee: AP Exam fee applies

Resource English

Course Number: ENG010 and ENG011

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

Grade: 9-12
Credit: 1.0 Credit; 2 Semesters

Prerequisite: Student must have an IEP, Instructor approval required
Fee: None

English for Seniors:

Seniors are required to take English 12 during first semester, and then, in an effort to tailor classes to student interests and strengths, they may choose between Option A or Option B for second semester. The 2 courses together create one full English credit for senior year. The AP English Literature and Composition is a full year course.

English 12 – Semester ONE only

Course Number: ENG401

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 early British literature with focus on the literary movements associated with each time period, including but not limited to the Anglo-Saxons, Middle Ages and the Renaissance. Through reading, writing and discussion, students recognize the historical and cultural aspects of British 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. A major research paper is an essential part of this course: students will research, compose multiple drafts, and make a final presentation. Small group and whole class presentations with media are also required.

Grade: 12

Credit: 0.5 Credit, 1 Semester

Prerequisite: English 11

Fee: None

English 12 Co-op – Semester ONE only

Course Number: ENG431

Students with IEPs learn the state standards for English at the appropriate grade level with additional support from the Special Education Department.

Grade: 12

Credit: 0.5 Credit, 1 Semester

Prerequisite: English 11; Student must have IEP

Fee: None

OPTION A

Ancient Greek Literature – Semester TWO only

Course Number: ENG348

In this one-semester course, students will study the contributions of the ancient Greeks to literature and culture. Over a period of several centuries, the ancient Greeks created masterpieces that have inspired, influenced, and challenged readers to the present day, which serve as both mirror and teacher for all. Through this course, students will study the mythology, philosophy, poetry, and tragedies which helped shape the ancient (and modern) world. Students will write summaries, narratives, expository and analytical essays, with a focus on supporting answers and ideas with relevant texts. Students should also be prepared to write and perform a final semester project.

Grade: 12

Credit: 0.5 Credit, 1 Semester

Prerequisite: English 11

Fee: None

Ancient Greek Literature Co-Op – Semester TWO only

Course Number: ENG347

Students with IEP's learn the state standards for English at the appropriate grade level with additional support from the Special Education Department.

Grade: 12

Credit: 0.5 Credit, 1 Semester

Prerequisite: English 11; Student must have IEP

Fee: None

OPTION B

Creative Writing – Semester TWO only

Course Number: ENG322

Creative Writing is a one-semester 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: 12

Credit: 0.5 Credit, 1 Semester

Prerequisite: English 11

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 classical and modern literature. 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, such 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 complete a summer reading assignment, due the first day of school.**

Grade: 12

Credit: 1.0 Credit, 2 Semesters

Prerequisite: English 11

Fee: AP Exam fee applies

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

Credit: 1.0 Credit, 2 Semesters

Prerequisite: None

Fee: Fee Applies

Intermediate Guitar

Course Number: FAV643 and FAV644

This one-year course is designed for students who have completed beginning guitar. Students will receive instruction playing the guitar at an intermediate level and learn different skills, techniques, and musical styles required to become a successful guitarist. Areas of study include: Roman number chord material, movable scales, upper position playing, string bending, blues/jazz/pop studies, music theory, guitar ensemble playing, and public performances experiences. Students are strongly encouraged to provide their own acoustic instrument.

Grades: 10-12

Credit: 1.0 Credit, 2 Semesters

Prerequisite: Beginning guitar or instructor approval

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

Credit: 1.0 Credit, 2 Semesters

Course may be repeated for credit.

Prerequisite: Previous knowledge of an instrument or Instructor approval

Fee: Fee Applies

Marching/Concert Band for Percussion

Course Number: FAV625 and FAV626

Students will develop individual and ensemble music performance skills through participation in marching band, concert band, and indoor percussion ensemble. 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
Course may be repeated for credit.

Fee: **Fee Applies**

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 must 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
Course may be repeated for credit.

Fee: **Fee Applies**

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 and perform literature of a grade 2 to 3 level (in accordance to 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 opportunity and general music education. Students are strongly encouraged to provide their own instrument. (violin, viola, cello, or double bass).

Grades: 9-12

Prerequisite: Previous knowledge of an instrument or Instructor Approval

Credit: 1.0 Credit, 2 Semesters
Course may be repeated for credit.

Fee: **Fee Applies**

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 opportunity and general music education.

Grades: 9-12

Prerequisite: None

Credit: 1.0 Credit, 2 Semesters
Course may be repeated for credit.

Fee: **Fee Applies**

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 after-school/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

Credit: 1.0 Credit, 2 Semesters

Prerequisite: None

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 workdays 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

Credit: 1.0 Credit, 2 Semesters

Prerequisite: Theatre I; Students must audition with the instructor. Induction and participation in the Thespian Troupe is strongly suggested.

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 monologues and scenes in the fall showcase, and in one or more productions in the spring. Theatre history is also studied. 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 workdays or house crew duties, and will be required to attend at least one Theatre I performance. State and/or regional competitions are encouraged.

Grades: 11-12

Credit: 1.0 Credit, 2 Semesters

Prerequisite: Theatre II; Students must audition with the instructor. Induction and participation in the Thespian Troupe is required.

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 participations within the International Thespian Troupe is highly encouraged.

Grades: 11-12

Credit: 1.0 Credit, 2 Semesters

Prerequisite: Theater I, II, or III; Instructor approval

Fee: None

Visual Arts

Art I, Foundations in Art

Course Number: FAV111 and FAV112

Art I is the foundation level class for art study throughout high school. This course is primarily devoted to an introduction of various art processes, procedures, theories, historical periods, and cultures. Students will produce two-dimensional and three-dimensional artworks and will study the elements of art and principles of design, color theory, art vocabulary, criticism, aesthetics, art history, and safety in the art room. Students are provided a strong foundation in design, drawing, painting, and sculpture in a teacher-structured environment.

Grades: 9-12

Credit: 1.0 Credit, 2 Semesters

Prerequisite: None

Fee: **Fee Applies**

Art II, Intermediate

Course Number: FAV121 and FAV122

Art II builds on the student's technical skills and foundations developed in Art I but with much of the emphasis on refining drawing and painting skills. The study of the elements of art and principles of design, color theory, vocabulary, and art history continues in Art II but with more emphasis on problem solving, independent choices, and personal solutions. The approach to art experiences is less experimental and based more on informed choices. Students are required to exhibit finished works of art in TVHS art shows.

Grades: 10-12

Credit: 1.0 Credit, 2 Semesters

Prerequisite: Art I

Fee: **Fee Applies**

Art III, Advanced Art

Course Number: FAV123 and FAV124

Students are required to work independently with a more in-depth approach to the study of art processes and techniques, aesthetic issues, become familiar with careers, develop work habits of professionals, and set goals throughout the year with minimal teacher guidance. During this course, students will use their knowledge and skills learned from previous art classes and also personal experiences in order to create works of art. Art III students are required to assemble a portfolio of works based on technical quality, personal style, direction, and its intended purpose. The class is self-paced.

Grades: 11-12

Credit: 1.0 Credit; 2 Semesters

Prerequisite: Art II and Instructor approval.

Fee: **Fee Applies**

AP Studio Art

Course Number: FAV471 and FAV472

This course is for the student who is ready to prepare for the pursuit of college-level studies in the studio arts. There will be three types of portfolio concentrations available; Two-Dimensional Art and Design, Three-Dimensional Art and Design and Drawing. Students must have the ability to work and set deadlines, work independently, learn how to use the process of art making in the construction of their portfolios and be able to be critically self-reflect their art work. Along with having portfolios reviewed by the College Board, students will participate in on-going portfolio assessments at TVHS with the teacher.

Grades: 12

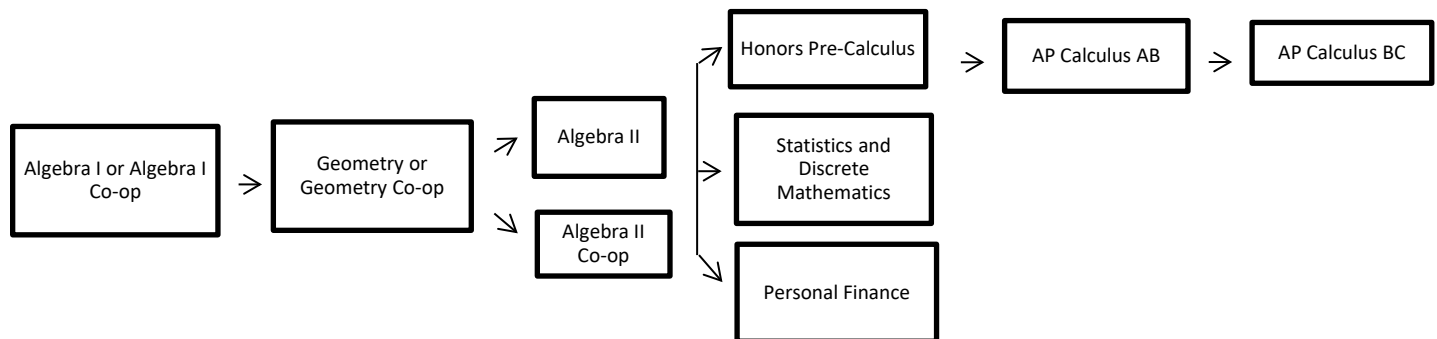
Credit: 1.0 Credit, 2 Semesters

Prerequisite: Art III and Instructor approval

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 course with significant mathematics content. Please see Math Course Offerings flowchart to see recommended course paths.



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

Credit: 1.0 Credit, 2 Semesters

Prerequisite: None

Fee: **Fee Applies**

Algebra I Co-op

Course Number: MAT131 and MAT132

Students with IEPs learn the state standards for algebra with additional support from the Special Education Department.

Grades: 9

Credit: 1.0 Credit, 2 Semesters

Prerequisite: Student must have IEP

Fee: **Fee Applies**

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 principals 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. **One section of this course will be offered zero hour.**

Grades: 9-10

Credit: 1.0 Credit, 2 Semesters

Prerequisite: Algebra I

Fee: **Fee Applies**

Geometry Co-op

Course Number: MAT231 and MAT232

Students with IEPs learn the state standards for geometry with additional support from the Special Education Department.

Grades: 10

Credit: 1.0 Credit, 2 Semesters

Prerequisite: Algebra I or Algebra I co-op; Student must have IEP

Fee: **Fee Applies**

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.

Grades: 9-12

Credit: 1.0 Credit, 2 Semesters

Prerequisite: Geometry

Fee: None

Algebra II Co-op

Course Number: MAT331 and MAT332

Students with IEPs learn the state standards for algebra II with additional support from the Special Education Department.

Grades: 11-12

Credit: 1.0 Credit, 2 Semesters

Prerequisite: Geometry or Geometry co-op; Student must have IEP

Fee: None

Honors Algebra II

Course Number: MAT351 and MAT352

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

Credit: 1.0 Credit, 2 Semesters

Prerequisite: Geometry; grade of B or better recommended in previous math courses.

Fee: None

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.

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 Pre-Calculus/Trigonometry

Course Number: MAT403 and MAT404

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: MAT471 and MAT472

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-Calc/Trig

Credit: 1.0 Credit, 2 Semesters

Fee: **AP Exam Fee applies**

AP Calculus BC

Course Number: MAT571 and MAT572

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

Credit: 1.0 Credit, 2 Semesters

Prerequisite: None

Fee: None

Resource Math

Course Number: MAT010 and MAT011

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

Grades: 9-12

Credit: 1.0 Credit, 2 Semesters

Prerequisite: Students must have an IEP;
Instructor approval required

Fee: None

MODERN CLASSICAL LANGUAGES

Spanish I

Course Number: MCL101 and MCL102

The goals for this class are to develop basic listening, speaking, reading, and writing skills which stress the appropriate use of the Spanish 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 the Spanish speaking people and their language community.

Grades: 9-12

Credit: 1.0 Credit, 2 Semesters

Prerequisite: None

Fee: **Fee Applies**

Spanish II

Course Number: MCL201 and MCL202

This course provides 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.

Grades: 9-12

Credit: 1.0 Credit, 2 Semesters

Prerequisite: Spanish I

Fee: **Fee Applies**

Spanish III

Course Number: *Assigned by Counselor*

This course is offered only as an on campus, online course through Edgenuity. 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 significant 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 and the Americas.

Grades: 10-12

Credit: 1.0 Credit, 2 Semesters

Prerequisite: Spanish II, grade of C or better in Spanish II is recommended. **Must make an appointment with counselor to register for this course**

Fee: **Online Course Fee Applies**

AP Spanish

Course Number: *Assigned by Counselor*

This course is offered only as an on campus, online course through Edgenuity. 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. **Must make an appointment with counselor to register for this course**

Credit: 1.0 Credit, 2 Semesters

Fee: **Online Course Fee Applies/AP Exam Fee Applies**

PHYSICAL EDUCATION

1.0 credit is required for graduation.

Physical Education

Course Number: PES803 (sem. 1) and PES804 (sem. 2)

The focus of this course is the application of movement skills and knowledge to fitness and team sports. The standards based assessment and maintenance of physical fitness to improve health and performance; the requisite knowledge of fitness and games, concepts and strategies; all with the inclusion of physical, cognitive, and emotional health. **Student must wear a TVHS PE uniform.**

Grades: 9-12

Prerequisite: None

Credit: 0.5 Credit, 1 Semester

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

Course may be repeated for credit.

Weight Training

Course Number: PES801 (sem. 1) and PES802 (sem. 2)

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

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

Course may be repeated for credit.

Sports Strength and Conditioning

Course Number: PES823 and PES824

Class will provide the opportunity for student athletes to develop strength, speed, and conditioning for various sports and fitness related activities. Free weights, exercise machines, plyometric, and conditioning activities will be incorporated in class to promote improvements in strength, endurance, balance, agility, and speed. The "Bigger Faster Stronger" conditioning program will be used in this course. Proper technique, safety precautions and proper applications of the Principles of Training will be emphasized. Students are expected to develop and implement a plan for success in this year long course. **Students must wear approved shorts, shirts, and shoes to class.**

Grades: 9-12

Prerequisite: Instructor recommendation required

Credit: 1.0 Credit, 2 Semesters

Fee: **Requires PE locker rental**

Course may be repeated for credit.

Adventure Program Education

Course Number: PES825 and PES826

This class focuses on putting the students in unique situations to teach them about taking responsibility for their decisions through outdoor activities and inclusion. Students will participate in a variety of problem solving, communication, teamwork, and trust activities. Students will build on communication and problem solving skills through physical activities such as: archery, caving, orienteering, hiking, camping, and other outdoor pursuits. **Student must wear a TVHS PE uniform.**

Grades: 9-12

Credit: 1.0 Credit, 2 Semesters
Course may be repeated for credit

Prerequisite: Instructor recommendation required

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

HEALTH

0.5 credit is required for TVHS graduation

Health

Course Number: PEH840

This course addresses health and wellness topics and issues relevant to high school students. Students will acquire knowledge and skills necessary to maintain lifelong health and to make informed choices and accept personal responsibility for those choices.

Grades: 9-12

Credit: 0.5 credit, 1 Semester

Prerequisite: None

Fee: None

SCIENCE

3.0 credits are required for TVHS graduation. Please see Science Course Offerings flowchart to see the recommended course paths.

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.

One section of this course will be offered zero hour.

Grades: 9-12

Credit: 1.0 Credit, 2 Semesters

Prerequisite: None

Fee: None

Earth Science Co-op

Course Number: SCI131 and SCI 132

Students with IEPs learn the state standards for Earth Science with additional support from the Special Education department.

Grades: 9-10

Credit: 1.0 Credit, 2 Semesters

Prerequisite: Students must have an IEP.

Fee: None

Biology

Course Number: SCI201 and SCI202

This is a college-entrance lab science course that meets all national and state science education standards. This course is a full year survey of life from the cellular level to that of complex organisms. 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. Students also focus on microbiology, genetics, taxonomy, and ecology. An experimental research project which involves advanced writing assignments is required for this course.

Grades: 10-12

Credit: 1.0 Credit, 2 Semesters

Prerequisite: Earth Science

Fee: None

Honors Biology

Course Number: SCI251 and SCI252

Honors Biology focuses on the same primary concepts as standard Biology but with a greater expectation of skill and competency. Students conduct in-depth investigative studies that require the use of higher-level thinking and organization skills as well as advanced written and communication skills. This course is designed for the responsible, independent student who is committed to a thorough understanding of biological principles and the advance use of scientific processes. An investment of extra time and attention to course work outside of the normal school day is required. An experimental research project which involves advanced writing assignments is required for this course.

Grades: 9-10

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: None

AP Biology

Course Number: SCI271 and SCI272

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 Biology and Chemistry recommended.

Credit: 1.0 Credit; 2 Semesters

Fee: **Fee applies; AP Exam fee applies**

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: None

Honors Chemistry

Course Number: SCI351 and SCI352

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: None

DE Chemistry 151 (Dual enrollment with PCC)

Course Number: SCI391 and SCI392

This is a year-long advanced chemistry course, including lecture and laboratory components. Topics include atomic structure, chemical bonding, stoichiometry, thermodynamics, 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**

DE Chemistry 152 (Dual enrollment with PCC)

Course Number: SCI491 and SCI492

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 component. **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**

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: None

Honors Physics

Course Number: SCI505 and SCI506

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: None

Science Course Offerings Flowchart

University Focus

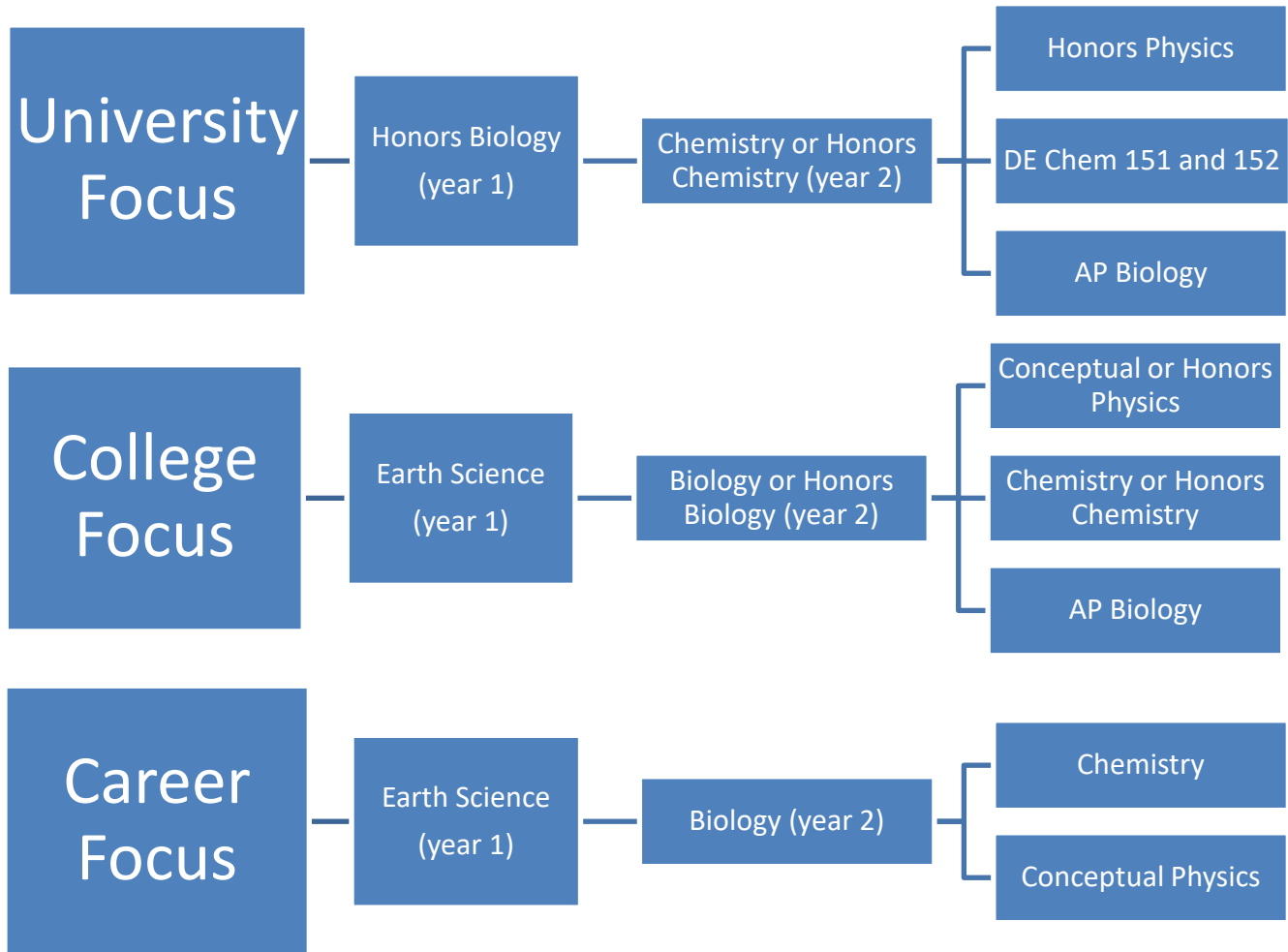
Student whose goal is to complete Honors and/or Advanced level courses and go directly to a bachelor's degree program at a university, with an intention to major in science, medical field or engineering should consider this focus. The majority of 4-year universities require at least 3 lab-based science courses for admission; therefore, taking more lab courses is preferred. If eligible (see per-requisites), student may decide take two advanced courses (AP Biology, Honors Physics, DE Chemistry 151) concurrently in junior or senior year.

College Focus

Student whose goal is to attend a university or community college after high school, and who does not intend to major in science and engineering should consider this focus.

Career Focus

Students who may want to attend a technical school, military, or pursue another career/job after high school may choose to take this focus.



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.

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
Credit: 1.0 Credit, 2 Semesters

Prerequisite: None
Fee: None

AP World History

Course Number: SOC251 and SOC252

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.

Grades: 10
Credit: 1.0 Credit, 2 Semesters

Prerequisite: Instructor Approval; a grade of "B" from previous social studies and/or English course is recommended.
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
Credit: 1.0 Credit, 2 Semesters

Prerequisite: None
Fee: None

AP United States History

Course Number: SOC371 and SOC372

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
Credit: 1.0 credit, 2 semesters

Prerequisite: Instructor Approval; a grade of "B" from previous social studies and/or English course is recommended.
Fee: **AP Exam fee applies**

Economics

Course Number: SOC601

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. They will also participate in an International Mini Summit which combines many of the state standards in Economics into one large project. This course fulfills the economics requirement for graduation.

Grades: 12
Credit: 0.5 Credit, 1 Semester

Prerequisite: None
Fee: None

U.S. Government

Course Number: SOC501

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.

Grades: 12
Credit: 0.5 Credit, 1 Semester

Prerequisite: None
Fee: None

AP U.S. Government & Politics

Course Number: SOC571 and SOC572

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 political science 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
Credit: 1.0 Credit, 2 Semesters

Prerequisite: Instructor Approval; a grade of "B" from previous social studies and/or English course is recommended.
Fee: **AP Exam Fee applies**

ELECTIVES

5.5 credits of electives are required for TVHS graduation. Once a student completes the credits required for a specific subject, any additional credits received in that subject area are added to electives.

Student Success

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 and 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. Students will also have the opportunity to explore the CTE pathways that will be available to them.

Grades: 9
Credit: 0.5 Credit, 1 Semester

Prerequisite: None
Fee: None

Student Council

Course Number: ELE401 and ELE402

Leadership Council is open to students in grades 9-12. This full year elective provides an opportunity to further develop the characteristics of leadership and team building. 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
Credit: 1.0 Credit, 2 Semesters
Course may be repeated for credit.

Prerequisite: Teacher approval only
Fee: None

Pre-AP 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
Credit: 1.0 Credit, 2 Semesters

Prerequisite: Requires zero hour paperwork
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 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**

Peer Tutoring

Course Number: ELE650 and/or ELE651

Students taking this class will learn about how to work with peers with disabilities. Students will work one on one to assigned peer with disability. They will be trained in how to interact with the peer, how to help with academic tasks, and how to advocate for the student as necessary. Students will learn about disabilities and the possible related careers, while the peers with disabilities will learn social behavior from a peer model. Students will work with peers both inside the CBI classroom and inside mainstream classes.

Grades: 11-12

Prerequisite: Instructor approval

Credit: 0.5 Credit, 1 Semester

Fee: None

Pass/Fail grades are given.

Course may be repeated for credit.

Study Support

Course Number: ELE331 and/or ELE333

Support classes are intended for students 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 an 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.

CBI Language Arts

Course Number ENG001 and ENG002

This course provides instruction in basic language skills, integrating reading, writing, speaking, and listening, while placing great emphasis on the progress of individual students. Course content depends upon student's abilities and may include vocabulary building, improving spelling and grammar, developing writing and composition skills, reading silently or aloud, and improving listening and comprehension abilities.

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.

CBI Math

Course Number: MAT001 and MAT002

This course emphasizes the teaching of mathematics as problem solving, communication, and reasoning, and highlight the connections among mathematical topics and between mathematics and other disciplines. These courses approach the teaching of general math, pre-algebra, and pre-geometry topics by applying numbers, and algebraic and geometric concepts and relationships to real world problems.

Grades: 9-12	Prerequisite: Students must have an IEP; teacher approval necessary.
Credit: Math 0.5 Credit Course may be repeated for credit.	Fee: None

CBI Daily Skills

Course Number: ELE001 and ELE002

This course provide information about a wide range of subjects to assist students in becoming wise consumers and productive adults. These courses often emphasize such topics as goal setting, decision making, and setting priorities; money and time management; relationships; and the development of the self. Practical exercises regarding selecting and furnishing houses, meeting transportation needs, preparing food, selecting clothing, and building a wardrobe are often integral to these classes.

Grades: 9-12	Prerequisite: Students must have an IEP; teacher approval necessary.
Credit: Elective 0.5 Credit Course may be repeated for credit.	Fee: None

Student Aide Courses

Student Aide courses are limited to Juniors and Seniors who have a 2.5 GPA or higher and an attendance rate of 90 percent or higher. Only 1.0 credit of aide course may be taken while at TVHS.

Office Aide

Course Number: OFC100

Students who enroll as an Office Aide serve as assistants to the administrative staff, including the principal, office manager, counselor, and/or nurse. **Office Aide period is not a study hall.** Office Aides may work on outside homework assignments only when all tasks are completed to the staff's satisfaction.

Grades: 11-12	Prerequisite: Staff Approval; Students must have a 2.5GPA or higher and an attendance rate of 90 percent or higher.
Credit: 0.5 Credit, 1 Semester Pass/Fail grades are given. Course may be repeated for a total of 1.0 credit.	Fee: N/A

Teacher Aide

Course Number: ELE161 and/or ELE162

Students who enroll as a Teacher Aide serve as assistants to a chosen member of the TVHS Faculty. **Teacher Aide period is not a study hall.** Teacher Aides may work on outside homework assignments only when all tasks are completed to the faculty member's satisfaction.

Grades: 11-12	Prerequisite: Instructor Approval; Students must have a 2.5 GPA or higher and an attendance rate of 90 percent or higher.
Credit: 0.5 Credit, 1 Semester Pass/Fail grades are given. Course may be repeated for a total of 1.0 credit.	Fee: N/A

Athletic Aide

Course Number: ATH100

Students who enroll as an Athletic Aide serve as assistants to the TVHS Athletic Director. **Athletic Aide period is not a study hall.** Athletic Aides may work on outside homework assignments only when all tasks are completed to the Athletic Director's satisfaction.

Grades: 11-12

Prerequisite: Athletic Director Approval; Students must have a 2.5 GPA or higher and an attendance rate of 90 percent or higher.

Credit: 0.5 Credit, 1 Semester
Pass/Fail grades are given. Course may be repeated for a total of 1.0 credit.

Fee: N/A

Library Aide

Course Number: LIB100

Students who enroll as a Library Aide serve as assistants to the TVHS Librarian. **Library Aide period is not a study hall.** Library Aides may work on outside homework assignments only when all tasks are completed to the Librarian's satisfaction.

Grades: 11-12

Prerequisite: Librarian Approval; Students must have a 2.5 GPA or higher and an attendance rate of 90 percent or higher.

Credit: 0.5 Credit, 1 Semester
Pass/Fail grades are given. Course may be repeated for a total of 1.0 credit.

Fee: N/A

Free Period Codes

These codes are used as place holders in a student's schedules. They are not a scheduled class, so credit will not be given.

Free Period Codes

Course Number:

1st period:	RLS101/RLS102
2nd period:	RLS201/RLS202
5th period:	RLS501/RLS502
6th period:	RLS601/RLS602
7th period:	RLS701/RLS702

Seniors who will meet all graduation requirements may request a free period as long as they maintain enrollment in a minimum of five (5) total courses, at least four (4) of those TVHS courses. **Students must be OFF campus during free periods.**

Grades: 12

Prerequisite: All graduation requirements have been/are being met.



TANQUE VERDE
UNIFIED SCHOOL DISTRICT