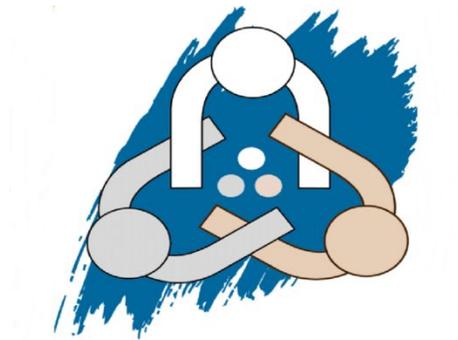


# TULARE JOINT UNION HIGH SCHOOL DISTRICT

**2019-2020**

## **Course Catalog**



***Quality Schools Preparing  
Exceptional Students***

***Course Descriptions & Academic Information for Students & Parents  
Tulare Union – Tulare Western – Mission Oak – Tech Prep – Countryside  
Sierra Vista Charter – Accelerated Charter – Tulare Adult School***

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Statement of Non-Discrimination/Harassment (Title VI of the Civil Rights Act of 1964, Title IX of the Education Amendments of 1972 section 504 of the Rehabilitation Act of 1973): The district prohibits discrimination, harassment, intimidation, and bullying in all district educational programs, activities, or employment on the basis and/or association with a person or group with one or more of these actual or perceived characteristics of age, ancestry, color, disability, gender, gender identity, gender expression, nationality, race or ethnicity, religion, sex, sexual orientation, parental, pregnancy, family or marital status. TJUHSD will take steps to assure that the lack of English will not be a barrier to admission and participation in District programs. For any questions concerning Title VII, Title IX, or Section 504 please contact the following coordinator: Barbara Orisio, Assistant Superintendent of Human Resources & Business, 426 North Blackstone, Tulare, CA 93274, (559) 688.2021. Barbara.Orisio@tulare.k12.ca.us. To obtain information on discrimination, harassment, and reporting please go to [http://www.tjuhsd.org/Governing Board](http://www.tjuhsd.org/Governing_Board)

## TJUHSD CONTACT INFORMATION

### Board of Trustees

Frank Fernandes    Craig Hamilton    Cathy Mederos    Laura Fonseca    Kelley Nicholson

TJUHSD

426 N. Blackstone, Tulare, CA 93274    (559) 688-2021    Website: [www.tjuhsd.k12.ca.us](http://www.tjuhsd.k12.ca.us)

### Superintendent

Tony Rodriguez

Assistant Superintendent of Human Resources and Business: Barbara Orisio  
Assistant Superintendent of Student Services and Special Programs: Tammy Aldaco  
Assistant Superintendent of Curriculum, Assessment and Technology: Dr. Lucy Van Scyoc  
Director of Special Education: Jason Edwards  
Director of Technology: Donny Trimm  
Director of Facilities: Chris Stevens  
Business Manager: Vivian Hamilton

### Tulare Union High School

755 E. Tulare Ave, Tulare, CA 93274  
(559) 686-4761  
Principal: Dr. Michelle Nunley  
Head Counselor: Terry Langlie

### Tulare Western High School

832 W. Maple, Tulare, CA 93274  
(559) 686-8751  
Principal: Kevin Covert  
Asst. Principal of Counseling: Leandra Garcia

### Mission Oak High School

3442 E Bardsley, Tulare, CA 93274  
(559) 687-7308  
Principal: Michele Borges  
Asst. Principal of Counseling: Edward Kotoian

### Tulare Tech Prep/Countryside

737 W. Bardsley, Tulare, CA 93274  
(559) 687-7400  
Principal: Steve Ramirez  
Counselor: Liz Rocha

### Sierra Vista Charter High School

351 N K Street, Tulare, CA 93274  
(559) 687-7384  
Principal: Dereck Domingues  
Counselor: Veronica Covert

### Accelerated Charter High School

4136 N Mooney Blvd, Tulare, CA 93274  
(559) 687-7303  
Principal: Wendi Powell  
Counselor: Abel Loza

### Tulare Adult School

575 W. Maple, Tulare, CA 93274  
(559) 686-0225  
Director: Larriann Torrez  
Counselor: Rosa Elena Vargas

## INTRODUCTION

Welcome to the 2019-2020 school year. This handbook is designed to provide students and parents an overview of the courses offered within the District along with academic information related to graduation and college admissions.

## DISTRICT PRIORITIES

### Tulare Joint Union High School District Board Priorities:

- *Improve Student Outcomes and Performance*
- *Manage Facilities and Student Growth*
- *Maintain the Fiscal Integrity of the District and Fund the Board's Priorities*
- *Staff the TJUHSD with Qualified Personnel and Maintain a Positive Work Environment*
- *Maintain Safe Schools*
- *Continue to Strengthen Internal and External Communication Systems*

## LCAP GOALS

### Tulare Joint Union High School District LCAP Goals:

1. *All students will graduate college and career ready.*
2. *All English Learners will improve their English language acquisition and achievement.*
3. *All students will be part of a positive learning environment where they feel welcomed, valued, safe, and engaged as part of a greater community*

## Educational Equity Statement

Tulare Joint Union High School District prohibits discrimination, harassment, intimidation, and bullying based on actual or perceived ancestry, age, color, disability, gender, gender identity, gender expression, nationality, race or ethnicity, religion, sex, sexual orientation, actual or potential parental, family, or marital status, or association with a person or a group with one or more of these actual or perceived characteristics.

## TJUHSD GRADUATION REQUIREMENTS

TJUHSD has established graduation requirements students must complete to get a high school diploma. The counselor staff will work with each student to develop a plan that best fits the student’s needs, goals, and abilities. Counselors will review and revise each student plan at least once a year to ensure that the student is on track to complete their goals and graduate.

To earn a comprehensive high school diploma from TJUHSD, students must earn a minimum of 220 credits in the following areas:

<b>SUBJECT</b>	<b>LENGTH OF TIME</b>	<b>CREDIT</b>
English	8 semesters (4 years)	40
United States History	2 semesters (1 year)	10
World History	2 semesters (1 year)	10
Civics / American Government	1 semester (1/2 year)	5
Economics	1 semester (1/2 year)	5
Laboratory Science (one year each of Life science and physical science)	4 semesters (2 years)	20
Physical Education	4 semesters (2 years)	20
Mathematics (including one year of Algebra 1)	4 semesters (2 years)	20
Visual or Performing Arts / or Foreign Language	2 semesters (1 year)	10
Elective Courses		80
	<b>TOTAL</b>	<b>220</b>

**Credits are accumulated at the rate of 30 per semester, 60 per school year in grades 9, 10, 11 and 12.**

## UNIVERSITY OF CALIFORNIA (UC) AND CALIFORNIA STATE UNIVERSITY (CSU) SUBJECT REQUIREMENTS

To satisfy the subject requirements for the UC and CSU systems, students must complete high school courses listed below with a grade of a “C” or better. These are also known as the “a - g” subject requirements. Fulfillment of these requirements does not guarantee admission.

### **A. HISTORY / SOCIAL SCIENCE (2 years required)**

Two years, including one year of world history, cultures and historical geography and one year of U.S. History, or one-half year of U.S. history and one-half year of American government or civics.

### **B. ENGLISH (4 years required)**

Four years of college-preparatory English that include integrates reading of classic and modern literature, frequent and regular writing, and practice listening and speaking.

### **C. MATHEMATICS (3 years required; four recommended)**

Three years of college-preparatory math, including or integrating the topics covered in elementary and advanced algebra and two- and three-dimensional geometry.

### **D. LABORATORY SCIENCE (2 years required; 3 recommended)**

Two years of laboratory science providing fundamental knowledge in at least two of the three disciplines of biology, chemistry, and physics

### **E. LANGUAGE OTHER THAN ENGLISH (2 years of the same language required; 3 recommended)**

Two years of the same language other than English or equivalent to the second level of high school instruction..

### **F. VISUAL AND PERFORMING ARTS (1 year required)**

One year chosen from dance, music, theater, or the visual arts.

### **G. COLLEGE PREPARATORY ELECTIVE (1 year required)**

One year chosen from the “A-F” courses beyond those used to satisfy the requirements above, or courses that have been approved solely in the elective area.

*\*Grades earned in the required subjects in grades 10-12 are used in the GPA calculation.*

*Students interested in applying to a 4-year college are encouraged to take the SAT and/or ACT in the spring of their Junior year and/or the fall of the Senior year, as these test scores are required as part of the application to some colleges.*

## Sample Four Year Plan

Name \_\_\_\_\_ Counselor \_\_\_\_\_

Post-secondary goals:     4-year college     2-year college     Technical school     Military

Occupational Goal \_\_\_\_\_

9TH GRADE			
SUBJECT	TEACHER	1ST	2ND
1. English I			
2. Biology			
3. Physical Education			
4. Math			
5.			
6.			
GPA			
Extracurricular Activities:			

10TH GRADE			
SUBJECT	TEACHER	1ST	2ND
1. English II			
2. World History			
3. Physical Education			
4. Math			
5. Physical Science			
6.			
GPA			
Extracurricular Activities:			

11TH GRADE			
SUBJECT	TEACHER	1ST	2ND
1. English III			
2. US History			
3. Science			
4.			
5.			
6.			
GPA			
Extracurricular Activities:			

12TH GRADE			
SUBJECT	TEACHER	1ST	2ND
1. English IV			
2. Government/Economics			
3.			
4.			
5.			
6.			
GPA			
Extracurricular Activities:			

## State Seal of Biliteracy

A student who graduates from high school must have achieved a high level of literacy and fluency in one or more language(s) in addition to English.

The student must demonstrate:

- 1) Completion of all English language Arts requirements for graduation with an overall grade point average of 2.0 in those classes.
- 2) Passing the California Assessment of Student Performance and Progress (CAASPP) for English language arts, or any successor test, administered in grade eleven, at or above the “standard met” achievement level, or at the achievement level determined by the Superintendent for any successor test.
- 3) Proficiency in one or more languages, other than English, demonstrated through one of the following methods:
  - A. Passing a foreign language Advanced Placement (AP) examination with a score of 3 or higher, or an International Baccalaureate (IB) examination with a score of 4 or more.
  - B. Successful completion of a four-year high school course of study in a foreign language, attaining an overall grade point average of 3.0 or higher in that course of study, and demonstrating oral proficiency in the language comparable to that required to pass an AP or IB examination.
  - C. Passing a district test with a score of proficient or higher (If no AP examination or off the shelf language tests exists and the school district can certify that the test meets the level of an AP exam) demonstrating proficiency in all of the modes of communication (reading, writing, and speaking) that characterize communication in the language.
  - D. Passing the SAT II foreign language examination with a score of 600 or higher.
- 4) In addition to the requirements mentioned above, if the primary language of a pupil is other than English, he or she shall demonstrate English proficiency on the English Language Proficiency Assessments for California (ELPAC), or any successor English language proficiency assessment, in transition kindergarten, kindergarten, or any of grades one to twelve, inclusive.

# AGRICULTURE

## AGRICULTURE SCIENCE 1

Agriculture Science 1 introduces students to a wide range of agricultural areas. Major subject topics involve careers in agriculture, Future Farmers of America, plant science, and animal science. Students have the opportunity for hands-on learning and exploration of agriculture-related skills. Application of practical skills is conducted at the high school farm facilities.

**Prerequisite:** None

**Schools:** TU, TW, MO      **Grade Level:** 9-12      **Term:** Year      **Course Code:** 6010      **A-G:(g)**

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## INTEGRATED AG BIOLOGY

Integrated Agriculture Biology is a one-year laboratory science course designed for the college-bound student with career interests in agriculture. Principles, concepts and interrelationships of plant and animal growth, reproduction, cell biology, genetics, taxonomy, evolution, behavior, nutrition, health, diseases, ecology, and similarities between animals and humans are explored. The course is centered on the laboratory component linking life and biological science with agriculture applications. Earth, physical and general science principles will be used to link these applications. Written and oral reporting skills are emphasized.

**Prerequisite:** AG I or teacher recommendation/Algebra I or concurrent

**Schools:** TU, TW, MO      **Grade Level:** 9-12      **Term:** Year      **Course Code:** 6160      **A-G:(d)**

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## HONORS INTEGRATED AG BIOLOGY

Honors Agriculture Biology is a one-year laboratory science course, designed for the college-bound student with career interests in agriculture. Principles, concepts and interrelationships of: plant and animal growth, reproduction, cell biology, genetics, taxonomy, evolution, behavior, nutrition, health, diseases and ecology, similarities between animals and humans are explored. The course is centered on the laboratory component linking life and biological science with agriculture applications. Earth, physical and general science principals will be used to link these applications. Written and oral reporting skills will be emphasized through the incorporation of a semester long Agri-Science Fair Project. This Agri-Science Fair Project will emphasize investigation and experimentation skills of the student.

**Prerequisite:** AG I or teacher recommendation/Algebra I or concurrent

**Schools:** TU, TW, MO      **Grade Level:** 9-12      **Term:** Year      **Course Code:** 6165      **A-G:(d)**

## **AG SCIENCE II**

This course meets the life science graduation requirement and emphasizes a study of the structure and function of plant and animal systems in relation to agriculture. Instruction includes various plant and animal systems, nutrition, disease and genetics. The importance of the environment and ecological issues is stressed.

**Prerequisite:** AG I

**Schools:** TU, TW, MO      **Grade Level:** 10      **Term:** Year      **Course Code:** 6011      **A-G:**(g)

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## **DAIRY SKILLS**

This course is designed for students who are interested in working with dairy cattle as a manager, herdsman, dairy worker or milker. Students acquire knowledge of basic skills and the theoretical basis for major areas of study including herd health, nutrition, reproduction, artificial insemination, record keeping, fitting and showing.

**Prerequisite:** AG II or teacher recommendation

**Schools:** TU, TW, MO      **Grade Level:** 11-12      **Term:** Year      **Course Code:** 6090      **A-G:** N/A

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## **ORNAMENTAL HORTICULTURE**

Nursery Technology students are presented with an opportunity to gain knowledge and understanding of the horticultural industry. Horticulture is a vital and growing industry in California, one that offers many career opportunities. Course study includes such areas as modern nursery production operations, retail sales, landscape design and construction, landscape maintenance, and pest control. Students make use of greenhouses, shade houses, garden, orchard, and landscape areas.

**Prerequisite:** AG Science I and II

**Schools:** TU, TW, MO      **Grade Level:** 11-12      **Term:** Year      **Course Code:** 6140      **A-G:**(g)

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## **LIVESTOCK PRODUCTION AND MANAGEMENT**

Students are provided with an opportunity to explore various segments of the total livestock industry and learn basic managerial skills involved in the raising of those breeds of sheep, swine, and beef important to the industry. Significant areas of study include feeding practices, basic veterinary skills, systems of breeding and various animal systems.

**Prerequisite:** AG II or teacher recommendation

**Schools:** TU, TW, MO      **Grade Level:** 11-12      **Term:** Year      **Course Code:** 6130      **A-G:** N/A

## **VETERINARY SCIENCE**

This class is designed to teach students advanced skills used in animal health and care, focusing primarily on the nutrition, behavior, psychology, handling of and identification of small animal species along with livestock species, prepare students for the animal health field as it relates to veterinary medicine, auxiliary animal health services and products. Students will learn to handle and safely restrain various animals, collect various lab samples, and do simple laboratory tests. Office procedures and records will be stressed as well as oral and written communication.

**Prerequisite:** Ag Biology, Algebra I

**Schools:** TU, TW, MO      **Grade Level:** 11-12      **Term:** Year      **Course Code:** 7840      **A-G:(g)**

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## **AG BUSINESS MANAGEMENT**

Agribusiness Management focuses on all phases of agricultural business found in the region. Agribusiness is a diverse field and this course is designed for students who are interested in a career in management or want a solid background in business, economics, and finance. The Internet and textbooks, together with simulation problems, are utilized to demonstrate agribusiness concepts commonly used in the area.

**Prerequisite:** Ag I or teacher recommendation

**Schools:** TU, TW, MO      **Grade Level:** 11-12      **Term:** Year      **Course Code:** 6020      **A-G: N/A**

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## **AG MECHANICS I**

This course will prepare students for careers related to the construction, operation, and maintenance of equipment used by the agriculture industry. Topics include technology, physical science principles, construction, mechanics and welding. Students also learn safety principles, electrical wiring, hydraulic technology, and farm power and equipment operation.

**Prerequisite:** None

**Schools:** TU, TW, MO      **Grade Level:** 9-12      **Term:** Year      **Course Code:** 6100      **A-G:(g)**

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## **AG MECHANICS II**

This course is designed to take over where Agriculture Mechanics I left off. In this course, students will develop the skills needed to weld a variety of materials with several processes of welding such as Oxy-fuel, Arc, TIG, and MIG.

**Prerequisite:** Ag Mechanics I with a grade "C" or higher or teacher approval

**Schools:** TU, TW, MO      **Grade Level:** 10-12      **Term:** Year      **Course Code:** 6105      **A-G:(g)**

### **AG MECHANICS III & WELDING CONSTRUCTION**

This course includes the study of arc, oxy-acetylene, TIG and MIG welding. Arc welding instruction emphasizes safety procedures, rod identification and stresses of metals. Students become familiar with and develop a sufficient level of skill to weld different metals and alloys and pass a basic industry welding test. Other skills, such as cutting, brazing, fusion welding, hard surfacing, vertical welding, and cutting thick and thin metals are applied to actual project work such as trailers, loading chutes, and other agricultural equipment. This course prepares the student for specialized work on large farming operations or repair and fabrication work on the home farm.

**Prerequisite:** AG I and AG II or teacher recommendation

**Schools:** TU, TW MO      **Grade Level:** 11-12      **Term:** Year      **Course Code:** 6070      **A-G:(g)**

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### **AG MECHANICS IV – ADVANCED WELDING CONSTRUCTION & FABRICATION**

This course includes the study SMAW (Shield Metal Arc Welding), GMAW (Gas Metal Arc Welding) and GTAW (Gas Tungsten Arc Welding). In SMAW, safety procedures, rod identification and stress of metals are emphasized, plus the student develops a sufficient level of skills to pass a basic industry welding test. The student becomes familiar with and able to weld different metals and alloys. Other skill, such as cutting, brazing, fusion welding, hard surfacing, vertical welding, cutting thick and thin metals, are applied to actual work projects, such as trailers, loading chutes, and other agricultural equipment. This course prepares the student for a job in industry for specialized work on large farming operations, or for repair and fabrication on the home farm.

**Prerequisite:** Ag Mechanics I, II, and III, or permission of instructor

**Schools:** TU, TW, MO      **Grade Level:** 12      **Term:** Year      **Course Code:** 6075      **A-G:(g)**

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### **SMALL ENGINES AND POWER SYSTEMS**

Farm Power and Machinery instructs students in the care and use of agricultural equipment commonly used in farming with special emphasis placed on tractor maintenance and operation. Other areas of study include farm safety, small engines, outdoor power equipment, hydraulics, electricity, fuel, cooling and exhaust systems, drive trains, repair and modification of commonly used farm equipment.

**Prerequisite:** AG II or teacher recommendation

**Schools:** TU, TW, MO      **Grade Level:** 11-12      **Term:** Year      **Course Code:** 6170      **A-G:(g)**

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### **DIESEL MECHANICS**

The purpose of this course is to teach the fundamentals of diesel engines, their components that make them run and how to troubleshoot for problems within those systems.

**Prerequisite:** AG Mechanics I/small engines

**Schools:** TU, TW, MO      **Grade Level:** 11-12      **Term:** Year      **Course Code:** 6175      **A-G:(g)**

## **AG WORK EXPERIENCE**

Agriculture Work Experience provides students with an opportunity for on-the-job experience. Students are placed in agribusiness jobs and complete related instruction assignments. They receive individualized instruction associated with the job and develop proper job habits and attitudes. School credit is based on evaluations of the work experience supervisor and employer.

**Prerequisite:** Teacher approval

**Schools:** TU, TW, MO      **Grade Level:** 11-12      **Term:** Year      **Course Code:** 6080      **A-G:** N/A

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## **FLORICULTURE**

This class is designed to allow students to apply an artistic approach to floral design. Students will explore elements and principles of design, two or three dimensional designs, history or floral art, arrangement styles and techniques, seasonal, holiday and occasional designs. Students will achieve this through creating, designing, identifying, explaining and evaluating all topics of study. In addition, all students will learn various types of cut and potted foliage, potted flowering plants, fresh flowers, tools, materials, display techniques, and cut flower care. Students will learn to recognize balance and harmony within an arrangement, along with scale, color, and historical design principles. The historical and cultural past of the floral industry will be discussed as it relates to modern floral design and tradition. This class is articulated with COS OH 111. At the completion of this class the student is eligible to receive a certificate of completion from TCOVE.

**Prerequisite:** Ag Science I

**Schools:** TU, TW, MO      **Grade Level:** 11-12      **Term:** Year      **Course Code:** 6110      **A-G:** N/A

# AVID

## AVID 1

This academic elective course has an overall goal to prepare and encourage students to be proactive in preparation for 4-year college or university eligibility. AVID students are typically those who are often underserved, underrepresented, or the first potential college student in their family. AVID offers a rigorous, college-preparatory curriculum to meet and exceed the A-G university eligibility requirements. The course provides support for the attainment of this goal through writing instruction, rhetorical reading, analytical writing, collaborative discussion strategies, reinforcement of study skills, time management techniques, tutoring and motivational activities. AVID students gain confidence in their own abilities while learning to work cooperatively as a support system for their peers, thus forming a trusted core of dedicated students to rely upon.

**Prerequisite:** Teacher and parent recommendation, application and interview, student is college bound

**Schools:** TU, TW, MO      **Grade Level:** 9      **Term:** Year      **Course Code:** 8010      **A-G:** N/A

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## AVID 2

This course continues to fine tune the skills learned as an AVID freshman. Students explore new methods and continue to build upon previous AVID strategies to further prepare them for future success. There is an emphasis on learning processes, refining oral and written communication skills, developing higher level thinking and practical reasoning skills. Students participate in reflective and analytical writing, continue to improve their study and test-taking skills, conduct research, and prepare for college exams and admissions. They demonstrate and integrate the processes of note-taking, thinking, communication, time-management, leadership and management in order to apply academic knowledge and skills.

**Prerequisite:** Teacher and parent recommendation, previous enrollment in AVID or strong desire to enter the AVID program, currently enrolled in college prep classes meeting A-G requirements.

**Schools:** TU, TW, MO      **Grade:** 10      **Term:** Year      **Course Code:** 8020      **A-G:(g)**

### **AVID 3**

As AVID juniors, students participate in a 2-year sequential interdisciplinary course that will prepare them with the skills and concepts for a rigorous college or university education. They engage in higher levels of critical reading, writing, inquiry, research, collaboration and reading strategies than experienced in prior years of AVID. They continue to learn how to communicate effectively, develop critical thinking skills, participate in their community and behave responsibly. Students complete in-depth investigations into great leaders and their contributions, begin to research colleges and universities and prepare for their entrance and placement exams, and begin the work required to produce a culminating research project at the end of the senior year.

**Prerequisite:** Teacher and parent recommendation, AVID 2

**Schools:** TU, TW, MO      **Grade Level:** 11      **Term:** Year      **Course Code:** 8030      **A-G:(g)**

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### **AVID 4**

AVID 4 is the culmination of a student's years in the AVID program. The skills developed as an AVID junior prepare the senior student to conduct a required final research project on a particular leader in society whose life and accomplishments are in relation to their own possible career goals and aspirations. They read extensively about this leader: essays, speeches, articles, letters, as well as at least one full-length work by or about their chosen leader. Students also develop critical questions based on their reading and writings, write analytical essays, and participate in collaborative discussion groups such as Socratic Seminar. Students develop a portfolio representing their years of work in the AVID program. The AVID Coordinator/Teacher serves as their liaison to the colleges and universities and students receive assistance in completing their college applications and researching financial aid and housing.

**Prerequisite:** Teacher and parent recommendation, and AVID 3

**Schools:** TU, TW, MO      **Grade Level:** 12      **Term:** Year      **Course Code:** 8040      **A-G:(g)**

# BUSINESS

## ACCOUNTING I

Accounting I is a competency-based course where students discover their interests, capabilities, and vocational opportunities in the accounting field. Generally acceptable, accounting principles and concepts are emphasized.

**Prerequisite:** A grade of “C” or better Algebra or Pre-Algebra/reading at grade level

**Schools:** TW                      **Grade Level:** 10-12    **Term:** Year    **Course Code:** 6260    **A-G:** N/A

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## ADVANCED ACCOUNTING

This course helps students develop a working knowledge of advanced accounting and better prepares them for college study or employment in the field of accounting. Students receive advanced instruction and practical application in the areas of payroll, journals and ledgers as used in corporate and partnership areas of accounting.

**Prerequisite:** Grade B or better in Accounting I or teacher recommendation

**Schools:** TW                      **Grade Level:** 11-12    **Term:** Year    **Course Code:** 6270    **A-G:** N/A

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## COMPUTER PROGRAMMING AND GAME DESIGN

Students will be introduced to Computer programming (the fastest growing job field). They will use software Created by STEMfuse to create several video games while also integrating all facets of STEM (science, technology, engineering, and math). A valuable course to offer that fills a need for a large group of students who have interest in this growing field.

**Prerequisite:** Algebra I

**Schools:** TW                      **Grade Level:** 9-12    **Term:** Year    **Course Code:** 6355    **A-G:** N/A

## COMPUTER SCIENCE AND SOFTWARE ENGINEERING

In this course the students will develop computational thinking, gain familiarity with a variety of computer programming languages and uses, be introduced to a variety of viable career paths involving computer science and programming. The course is structured to be an introductory course that will still be meaningful for people coming to the course from a variety of backgrounds. This course is designed by Project lead the Way, which is the organization that has created our Engineering courses, and will work both as part of the Engineering Pathway and a general elective.

**Prerequisite:** None

**Schools:** TU, MO                      **Grade Level:** 11-12    **Term:** Year    **Course Code:** 7960    **A-G:** N/A

## **AP COMPUTER SCIENCE PRINCIPLES**

AP<sup>®</sup> Computer Science Principles introduces students to the central ideas of computer science, instilling the ideas and practices of computational thinking and inviting students to understand how computing changes the world. The rigorous course promotes deep learning of computational content, develops computational thinking skills, and engages students in the creative aspects of the field.

**Prerequisite:** Algebra I

**Schools:** TU                      **Grade Level:** 10-12    **Term:** Year    **Course Code:** 7965    **A-G:(g)**

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## **GENERAL WORK EXPERIENCE**

Through supervised part-time paid employment, students acquire desirable work habits and attitudes in real jobs. Students complete written assignments that focus on assisting them with problems and concerns associated with securing and holding a job.

**Prerequisite:** Must be eligible for a work permit

**Schools:** TU, TW, MO              **Grade Level:** 11-12    **Term:** Year    **Course Code:** 6450    **A-G: N/A**

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## **FUNDAMENTALS OF MARKETING**

This course is designed to introduce students to marketing and the development of the personal skills necessary for success on the job. Units of study include marketing, work ethics, labor laws, communications technology, and human relations as it pertains to the ever evolving global society.

**Prerequisite:** None

**Schools:** TU, TW, MO              **Grade Level:** 9-12    **Term:** Year    **Course Code:** 6275    **A-G: N/A**

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## **MERCHANDISING**

Merchandising introduces students to the skills required for operating and managing a business with an emphasis placed on the development of attitudes, skills, and knowledge necessary to marketing and merchandising. Students apply what they learn by becoming involved in managing and promoting the student store and job shadowing local retailers.

**Prerequisite:** Teacher recommendation

**Schools:** TU, MO                      **Grade Level:** 11-12    **Term:** Year    **Course Code:** 6310    **A-G:(g)**

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## **OFFICE CO-OP**

Office Co-op is a great way for students to utilize skills learned in their business classes and obtain work experience in paid positions at a real job site.

**Prerequisite:** Technology Core, Advanced Computer Applications and/or Interview.

**Schools:** TU, TW, MO              **Grade Level:** 12              **Term:** Year    **Course Code:** 6400    **A-G: N/A**

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## **BUSINESS TECHNOLOGY**

This course is designed to give students an overall general understanding of the ever changing business world that is so important. This class will cover various aspects of business, including economics, owning and operating a business, marketing, career planning, basics of credit and money management. Students will also develop mastery of Google Docs, Sheets and Slides, as well as keyboarding using the touch-typing method and use correct keyboarding techniques.

**Prerequisite:** None

**Schools:** TU, TW, MO      **Grade Level:** 9-12      **Term:** Year      **Course Code:** 6360      **A-G:(g)**

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## **WEB DESIGN**

In today's business world, a working knowledge of computers is key to success. Individuals with an above average understanding of computers will be more valuable to employers and will have an added edge against the competition for jobs. This course provides students with a working knowledge of several high-end programs used by professionals both in web design and other computer related business settings. Real world applications increase the ability of a student to develop a skill thus, the course is designed to operate similar to the courses in journalism and yearbook. Students develop basic and advanced skills in Adobe Dreamweaver & Flash software, and design and prepare information into a format that is uploaded and compliments the school website.

**Prerequisite:** Grade "C" or better in Technology Core and teacher recommendation

**Schools:** TU      **Grade Level:** 10-12      **Term:** Year      **Course Code:** 6470      **A-G: N/A**

# ENGLISH LANGUAGE DEVELOPMENT (ELD)

## ELD 1

This course is for the new learner of the English language and is offered at all three comprehensive school sites. This class meets 80 minutes daily for intensive English language development using the California English Language Development standards. ELD 1 will focus on reading and writing skills as well as developing vocabulary, listening, and speaking skills. Successful completion of this course meets the English requirement for high school graduation.

**Prerequisite:** ELPAC score no higher than a “Level 1” performance level. No more than 12 months of English Language Development in a U.S. school.

**Schools:** TU, TW, MO **Grade Level:** 9-12 **Term:** Year **Course Code:** 8411-8414, *2 period course*

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## ELD 2

This course is for students who are beginning their second year of English language learning or the equivalent. This class meets 80 minutes daily for intensive English language development using the California English Language Development standards. Students will become acquainted with different forms of literature. Students will also participate in activities that will facilitate reading comprehension and vocabulary development. Students will participate in grammar activities and write sentences as well as well-organized paragraphs. Successful completion of this course meets the English requirement for high school graduation. Students in this course are also enrolled in an A-G approved English 1B Inv course that focuses on the 9-10 grade Common Core English-Language Arts standards.

**Prerequisite:** ELPAC score no higher than a “Level 2” performance level. No more than 24 months of English Language Development in a U.S. school.

**Schools:** TU, TW, MO **Grade Level:** 9-12 **Term:** Year **Course Code:** 8421-8424, *1 period course*

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## ELD 3

English Language Development 3 Support (ELD 3) provides a systematic and focused approach to acquiring the English Language, using rigorous and coherent instruction that motivates students with relevant, readable literature and strategic skill instruction. Instruction focuses on the 9-10 and 11-12 grade Common Core English-Language Arts standards. ELD 3 is a support class that is standard based and designed to develop skills in reading, concepts and vocabulary literary analysis, writing, and grammar. Students in this course are also enrolled in an approved, A-G grade level English course. Students are exited from ELD 3 once they are reclassified to Fluent English Proficient.

**Prerequisite:** Students are placed in this class based on ELPAC score, Academic progress, and ELD/ELA Teacher recommendation.

**Schools:** TU, TW, MO **Grade Level:** 9-11 **Term:** Year **Course Code:** 8430

# ENGLISH

## ENGLISH IA

This course is designed to give students the opportunities to read, write, think, speak, and listen by utilizing the California Grade 9 English Language Arts Common Core Standards. Learning objectives include formal essay writing focused on Informative, Argumentative, and Narrative writing formats. In addition, projects, creative writing, quick write journals, class/group discussions, and group collaboration will be an essential part of this class in order to prepare students for college/career readiness. Independent reading will be guided and supported with collaborative and whole-class activities. There will be a focus on career/college readiness utilizing learning objectives in Critical Thinking, Creativity, Collaboration, and Communication.

**Prerequisite:** Appropriate reading level and EDGE scores

**Schools:** TU, TW, MO      **Grade Level:** 9      **Term:** Year      **Course Code:** 1120      **A-G:(b)**

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## ENGLISH IB INTERVENTION/SUPPORT

This course is designed for students reading far below grade level. The English 1B Curriculum is a UC approved course that prepares freshman students for a successful transition into mainstream English. With a strong focus on early assessment of reading difficulties, the goal of the class is to increase student's reading engagement, fluency, comprehension, vocabulary, strategy use and writing abilities. The course curriculum is aligned to foundational state standards, as students are exposed to many genres of narrative and expository texts thematically connected to and supportive of the English 1 A curriculum. Read 180 curriculum is used in the support portion of this course.

**Prerequisite:** Recommended for students reading far below their grade level

**Schools:** TU, TW, MO      **Grade Level:** 9      **Term:** Year      **Course Code:** 1160/1165      **A-G:(b)**

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## ENGLISH IC SUPPORT

This course is designed for freshmen students reading two or more grades below grade level. The Edge C Curriculum prepares students for a successful transition into mainstream English. With a strong focus on early assessment of reading difficulties, the goal of the class is to increase student's reading engagement, fluency, comprehension, vocabulary, strategy use and writing abilities. The course curriculum is aligned to foundational state standards, as students will be exposed to many genres of narrative and expository texts thematically connected to and supportive of the English 1A curriculum. Students will receive elective credit for this course.

**Prerequisite:** Recommended for students reading two or more grade levels below their grade level

**Schools:** TU, TW, MO      **Grade Level:** 9      **Term:** Year      **Course Code:** 1175      **A-G: N/A**

## **ENGLISH I HONORS**

English 1 Honors is designed to challenge students who have exhibited outstanding abilities and achievements in language arts. The state English-Language Arts content standards are the foundation for determining curriculum. This course is an intense literature-based program in both independent reading and core literature. Active reading strategies will be employed as students analyze and interpret literature from a variety of genres. The writing process will be emphasized in conjunction with thesis-oriented and research writing. The oral language program offers students experiences in a variety of speaking and listening activities.

**Prerequisite:** Teacher recommendation/grade level or above on standardized assessments and STAR Reading tests

**Schools:** TU, TW, MO      **Grade Level:** 9      **Term:** Year      **Course Code:** 1110      **A-G:(b)**

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## **ENGLISH IIA**

This course is designed to give students the opportunities to read, write, think, speak, and listen by utilizing the California Grade 10 English Language Arts Common Core Standards. Learning objectives include formal essay writing focused on Informative, Argumentative, and Narrative writing formats. In addition, projects, creative writing, quick write journals, class/group discussions, and group collaboration will be an essential part of this class in order to prepare students for college/career readiness. There will be a focus on career/college readiness utilizing learning objectives in Critical Thinking, Creativity, Collaboration, and Communication.

**Prerequisite:** None

**Schools:** TU, TW, MO      **Grade Level:** 10      **Term:** Year      **Course Code:** 1220      **A-G:(b)**

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## **English IIC SUPPORT**

This course is designed for sophomore students reading two or more grades below grade level. The English IIC Curriculum prepares students for a successful transition into mainstream English. With a strong focus on early assessment of reading difficulties, the goal of the class is to increase student's reading engagement, fluency, comprehension, vocabulary, strategy use and writing abilities. The course curriculum is aligned to foundational state standards, as students will be exposed to many genres of narrative and expository texts thematically connected to and supportive of the English 2A curriculum. Students will receive elective credit for this course.

**Prerequisite:** Recommended for students reading two or more grade levels below their grade level

**Schools:** TU, TW, MO      **Grade Level:** 10      **Term:** Year      **Course Code:** 1275      **A-G: N/A**

## **ENGLISH II HONORS**

English II Honors is a challenging course for the most able language arts students. It is designed to improve a student's ability to develop and express well-reasoned interpretations of classical literature and provide them with the skills and background necessary for Advanced Placement English courses in their junior and senior year.. Due to a heavy workload, students must be independent, motivated, and actively involved in their own learning.

**Prerequisite:** Teacher recommendation/grade level or above on standardized assessments and STAR Reading tests

**Schools:** TU, TW, MO      **Grade Level:** 10      **Term:** Year      **Course Code:** 1210      **A-G:(b)**

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## **ENGLISH IIIA**

This course is designed to give students the opportunities to read, write, think, speak, and listen by utilizing the California Grade 11 English Language Arts Common Core Standards. Learning objectives include formal essay writing focused on Informative, Argumentative, and Narrative writing formats. In addition, projects, creative writing, quick write journals, class/group discussions, and group collaboration will be an essential part of this class in order to prepare students for college/career readiness. Students will read a variety of fiction and non-fiction, and learn to actively engage with rigorous texts. There will be a focus on career/college readiness utilizing learning objectives in Critical Thinking, Creativity, Collaboration, and Communication.

**Prerequisite:** None

**Schools:** TU, TW, MO      **Grade Level:** 11      **Term:** Year      **Course Code:** 1320      **A-G:(b)**

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## **ENGLISH III ADVANCED PLACEMENT**

The purpose of this course is to help 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. Both their writing and their reading should make students aware of the interactions among a writer's purposes, reader expectations, and an author's propositional context, as well as the genre conventions and the resources of language that contribute to effectiveness in writing. Students enrolled in this course will: read extensively and master a wide range of works of nonfiction and fiction, with an emphasis on American writers, understand and employ the classical appeals of ethos, pathos, and logos and recognize the rhetorical modes, structures, and strategies used by writers, and frame effective arguments that analyze, synthesize, and evaluate viewpoints on contemporary social, economic, and political issues.

**Prerequisite:** Teacher recommendation/grade level or above on standardized assessments and STAR Reading tests

**Schools:** TU, TW, MO      **Grade Level:** 11      **Term:** Year      **Course Code:** 1315      **A-G:(b)**

## **ENGLISH IV ADVANCED PLACEMENT**

Advanced Placement English Literature and Composition is a challenging course that prepares students for the rigors of college while still in high school. Students will be expected to read and master a variety of challenging works of fiction, nonfiction, and poetry from British, American, and world authors in preparation for the AP exam and in preparation for the transition to university. Students will learn to read literature closely and critically in order to extract meaning from the text, write insightful essays that include analysis and interpretation of literature, and determine the significance of literary elements in a work and respond via discussions, written responses, and digital platforms. Students will be expected to use and develop sophisticated vocabulary, proper grammar, and exceptional writing technique when discussing and responding to literature.

**Prerequisite:** Teacher recommendation / grade level or above on standardized assessments and STAR Reading tests

**Schools:** TU, TW, MO      **Grade Level:** 12      **Term:** Year      **Course Code:** 1410      **A-G:(b)**

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## **EXPOSITORY READING AND WRITING COURSE**

This rhetoric-based course was designed by the California State University and the California Community Colleges and fulfills the district's senior year English graduation requirement. The goal of ERWC is to develop advanced critical and analytical thinking skills through argumentative reading and writing. Throughout the course, students will engage with texts that deal with controversial, contemporary issues. Students will evaluate various authors' claims and writing styles, and then participate in thoughtful, text-based discussions in order to formulate their own opinions. Students will defend their viewpoints in numerous argumentative essays that will require multiple drafts. Successful completion of this course meets the English requirement for graduation and one year of the English ('b') requirement for CSU/UC.

**Prerequisite:** None

**Schools:** TU, TW, MO      **Grade Level:** 12      **Term:** Year      **Course Code:** 1540      **A-G:(b)**

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## **COS ENGLISH 251**

This course emphasizes analytical reading and writing as processes that result in compositions appropriate for entry into transfer-level academic study. Semester long course worth 10 high school credits and 4 remedial college credits.

**Prerequisite:** COS ENGL 360 or equivalent college course with C or better or eligibility as determined by COS placement test

**Schools:** TU, TW      **Grade Level:** 12      **Term:** Semester (*Dual Enrollment*)      **Course Code:** 1750      **A-G:(b)**

## **COS ENGLISH 1**

A college freshman composition course that emphasizes expository writing, close reading, cogent thinking, familiarity with information technology, and research strategies. This course requires a substantial research component and writing of a minimum of 6,000 words. Semester long course worth 10 high school credits and 4 transferable college credits.

**Prerequisite:** COS ENGL 251 or equivalent college course with C or better or eligibility as determined by COS placement test

**Schools:** TU **Grade Level:** 12 **Term:** Semester (*Dual Enrollment*) **Course Code:** 1760 **A-G:(b)**

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## **COS ENGLISH 2**

This course gives students the opportunity to study and apply logic and cogent thinking to written and oral communication, as well as develop advanced writing skills. Students learn to recognize logical fallacies, analyze others' arguments, and produce their own arguments and solutions to problems, using primary and secondary research. This course requires substantial writing of a minimum of 6,000 words. Semester long course worth 10 high school credits and 4 transferable college credits.

**Prerequisite:** COS ENGL 1 or equivalent college course with C or better or eligibility as determined by COS placement test

**Schools:** TU **Grade Level:** 12 **Term:** Semester (*Dual Enrollment*) **Course Code:** 1770 **A-G:(b)**

# HOME ECONOMICS

## CAREERS WITH CHILDREN

Careers with Children is designed for students seeking career opportunities in childcare, placement in social service and education. Through classroom learning and community classroom placement in childcare centers, students will be exposed to workplace standards and policies, child development and guidance processes, preschool and elementary curriculum activities, classroom management, health, safety, legal issues and nutrition. This class will benefit students interested in careers as teachers, day care directors, child psychologists, speech therapists, counselors, social workers or any other career related to children.

**Prerequisite:** Child Development

**Schools:** MO      **Grade Level:** 11-12      **Term:** Year      **Course Code:** 7645      **A-G:** N/A

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## INTRODUCTION TO FOODS AND NUTRITION

Explore the variety of foods available today and learn how food and nutrition impacts daily life. This course covers the topics of nutrition and health, food safety and sanitation, meal management, food purchasing and preparation, food and culture, food science and nutrition, food costs, production and technology. Students discover how this knowledge can assist them in everyday life and the advantages of a career in the field of food science, hospitality or food technology.

**Prerequisite:** None

**Schools:** TU, TW, MO      **Grade Level:** 9-12 (*TW, MO: 10-12 only*)      **Term:** Year      **Course Code:** 7040  
**A-G:**(g)

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## ADVANCED FOODS

Advanced Foods is a course designed to train students for career opportunities in the food service/culinary arts industry. Topics include Breakfast Food and Sandwiches, Nutrition, Cost Control, Salads and Garnishing, Purchasing and Inventory, Meat, Poultry and Seafood, Marketing, Desserts and Baked Goods and Sustainability in the Restaurant and Foodservice Industry. Students will learn about the importance of running a restaurant as well as examining the various styles of plating including; minimalism, architectural, contemporary, naturalism, and classic design. Students will receive instruction on various knife techniques to manipulate food for artistic purposes along with spoon and sauce techniques used to “paint the plate.” Each individual student will create and present a food demo whereby demonstrating how food can be used to create visual art through use of line, shape, form, texture, and color.

**Prerequisite:** Intro to Foods

**Schools:** TU, TW, MO      **Grade Level:** 10-12      **Term:** Year      **Course Code:** 7010      **A-G:**(g)

## **FASHION 1 (FASHION CONSTRUCTION AND DESIGN)**

Students in this course learn about the exciting world of fashion, textiles, and apparel as well as get a great head start in the pursuit of a career in the fashion industry. They explore the elements and principles of design, how to choose clothing and accessories, history of fashion, current trends, wardrobe planning and creating custom apparel. Instruction includes clothing construction skills from selecting a pattern to the finished product.

**Prerequisite:** None

**Schools:** TW, MO      **Grade Level:** 9-12      **Term:** Year      **Course Code:** 7810      **A-G:**(g)

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## **FASHION 2**

Upon successful completion of this course, students will have enhanced the basic skills mastered in Fashion I. They will apply intermediate construction apparel principles, techniques and skills in the production of various garments. Through lecture, technology, demonstration and hands-on experience, a focus is placed on creativity, planning and construction of more complex designs.

**Prerequisite:** Grade "C" or better in Fashion 1

**Schools:** TW      **Grade Level:** 10-12      **Term:** Year      **Course Code:** 7811      **A-G:** N/A

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## **LIFE MANAGEMENT**

This course is designed to prepare students with the skills to live independently. Students are introduced to "real life lessons" as they learn to manage their needs in the areas of interpersonal relationships with family and friends. They gain confidence to face the future as they develop critical skills and knowledge in nutrition and food, family living and parenting, child development, clothing and fashion, consumer education, individual and family health, and housing and furnishings. Students learn to look their best, be their best, and have a better future.

**Prerequisite:** None

**Schools:** TU, TW, MO      **Grade Level:** 9-12      **Term:** Year      **Course Code:** 7080      **A-G:**(g)

# INDUSTRIAL TECHNOLOGY

## **AUTOMOTIVE ENGINE TECHNOLOGY 1**

This class builds on general information studied in Introduction to Industrial Technology and Advanced Automotive and provides more specific instruction about the engine and its components. Students diagnose problems, learn how to disassemble and reassemble an engine, and test engines for proper operation following repair. They become acquainted with the business aspects of an automotive repair shop and learn how to write work orders, calculate billing, and conduct themselves in a business setting. It is a goal of this course for students to achieve proper work ethics to be successful in the job market.

**Prerequisite:** Automotive 1

**Schools:** TU      **Grade Level:** 11-12      **Term:** Year      **Course Code:** 7530      **A-G:** N/A

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## **AUTOMOTIVE 1 & 2**

Advanced Automotive is a hands-on course that takes the fundamentals and theories learned in Introduction to Industrial Technology and puts them into practice in an automotive repair shop setting. Students are instructed in the proper use of tools required for particular jobs and receive guidance in the use of diagnostic machines available in the shop. Using computers, they tap into information on the Internet and All Data software, which provides specifications of different automobile makes and models. The goal of this course is to train a student to become a skilled, problem-solving mechanic, who can either repair his own automobile or is prepared for the job market.

**Prerequisite:** None

**Schools:** TU      **Grade Level:** 10-12      **Term:** Year      **Course Code:** 7510-7520      **A-G:** N/A

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## **DRAFTING I**

Students will learn practical concepts and techniques for manual mechanical drawing. Many practical examples of common tasks performed by draftsman in both architectural and mechanical drawing are provided. The class is designed for students who have very little or no knowledge of drafting technology. Students will use drafting equipment and other tools associated with the trades, such as T-squares metric and standards scales, compasses templates, and different hardness pencils. In second semester students are introduced to CAD fundamentals and techniques by using autoCAD LT software.

**Prerequisite:** None

**Schools:** TW      **Grade Level:** 9-12      **Term:** Year      **Course Code:** 7740      **A-G:** N/A

## **ADVANCED DRAFTING I**

This course is a continuation of Drafting i. It is designed to give students a more detailed look at the drafting field. The course will also inform students of the employment and professional training opportunities in the drafting field. The following areas will be covered: review of shape description, sections, threads and fasteners, description geometry, working drawings, exploded views, rendering and the use of blueprinting equipment.

**Prerequisite:** None

**Schools:** TW      **Grade Level:** 10-12      **Term:** Year      **Course Code:** 7740      **A-G:** N/A

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## **INTRO TO CAREER TECHNICAL EDUCATION**

This class will introduce three of our Career Technical Education programs. Each segment will last nine weeks, two classes per semester and four classes per year. The classes will be: Auto, Business, Life Management and Introduction to Industry and Technology.

**Prerequisite:** None

**Schools:** TU      **Grade Level:** 9-12      **Term:** Year      **Course Code:** 5510      **A-G:** N/A

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## **ADVANCED WOODSHOP**

Advanced Wood is a woodworking course that is a follow-up course from Beginning Wood. It is designed to further meet the growing needs of students in the industry and technology programs and intended to include students with basic woodworking backgrounds who wish to prepare for further study in this area and to fit within the scope of the California Industry and Technology Education Framework. As most shop courses, it is designed with a hands-on approach, and the projects chosen are more complex and detailed to further develop problem solving skills and manual abilities. The functional aspect of math and technical writing are of prime importance, with emphasis given to their practical use in the woodworking industry. This course will contain demonstrations of various hand and power tools used by professionals in the manufacturing and construction industries. Practical problems, immediately followed by solutions are presented throughout the course. Students should have completed Wood or the previous Advanced Wood class with a C or better to enter into this next level of woodworking.

**Prerequisite:** Wood I with a grade "C" or better

**Schools:** TW      **Grade Level:** 10-12      **Term:** Year      **Course Code:** 7560      **A-G:** N/A

## **WOOD SCULPTURE**

As wood may be used as an art medium and/or for functional purpose, students in this course are introduced to a variety of fabrication methods, wood carving and finishing techniques for wood sculpture. Hands-on experiences, where safety practices and protocols are emphasized, enhance learning applications as students demonstrate understanding in the identification, and use of specific hand and machine tools, vocabulary, carving techniques, and design elements. Personal portfolios are created to highlight products produced through the duration of this course, and students are required to complete a final exam project at semester end. This course meets a fine arts graduation requirement.

**Prerequisite:** None

**Schools:** TU, TW      **Grade Level:** 10-12(TW 9-12)      **Term:** Year      **Course Code:** 7580      **A-G:(f)**

# MATHEMATICS

## SUCCESS LAB

Success Lab provides Algebra IA students with the assistance and opportunity to receive additional small group, supervised instruction to ensure success in current and future math courses. This is a non-credit bearing course.

**Prerequisite:** Students with low standardized test scores

**Schools:** TW, MO      **Grade Level:** 9      **Term:** Year      **Course Code:** 3020      **A-G:** N/A

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## ALGEBRA I

This course meets the California content standards for Algebra I and covers linear and quadratic equations, inequalities and functions, as well as an introduction to probability and statistics.

**Prerequisite:** Algebra readiness exam score of 25 or better or teacher recommendation

**Schools:** TU, TW, MO      **Grade Level:** 9-12      **Term:** Year      **Course Code:** 3120      **A-G:**(c)

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## ALGEBRA I HONORS

This course is the fundamental course for any student on an advanced Science, Technology, Engineering or Mathematics pathway in high school. Topics range from evaluating and solving equations and inequalities, evaluating and graphing linear and non-linear functions and relations, as well as an introduction to sequences and series. Real world applications are presented throughout the course content which focuses on the 4 different representations of numerical relationships: tables, equations, graphs, and situations. The curriculum used incorporates problem-based lessons, collaborative student study teams and spaced practice with course concepts. The learning strategies are consistent with the Common Core State Standards for Mathematical Practices.

**Prerequisite:** Teacher recommendation

**Schools:** TU, TW, MO      **Grade Level:** 9-12      **Term:** Year      **Course Code:** 3110      **A-G:**(c)

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## GEOMETRY

This course meets the California content standards for geometry and covers proofs, basic theorems, area, perimeter, circumference, area, volume, lateral area, and surface area of common geometric figures. Students find, use and prove relationships between angles in polygons using properties of complementary, supplementary, vertical, and exterior angles. They also use and prove the Pythagorean theorem, perform basic constructions with straightedge and compass, study coordinate geometry and basic trigonometric functions and prove and solve problems regarding relationships among chords, secants, tangents, inscribed angles and inscribed and circumscribed polygons of circles. Students are prepared to take the Golden State examination in geometry.

**Prerequisite:** Grade "C" or better in Algebra I

**Schools:** TU, TW, MO      **Grade Level:** 9-12      **Term:** Year      **Course Code:** 3220      **A-G:**(c)

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## **GEOMETRY HONORS**

This course meets the California content standards for geometry and covers proofs, basic theorems of geometry, area, perimeter, circumference, area, volume, lateral area, and surface area of common geometric figures. Students find, use and prove relationships between angles in polygons using properties of complementary, supplementary, vertical, and exterior angles. They also use and prove the Pythagorean theorem, perform basic constructions with straightedge and compass, study coordinate geometry and basic trigonometric functions, prove and solve problems regarding relationships among chords, secants, tangents, inscribed angles, and inscribed and circumscribed polygons of circles. Higher order thinking processes and technology are used daily.

**Prerequisite:** Grade “B” or better in Algebra I, teacher recommendation, and a Geometry readiness exam score above 70%

**Schools:** TU, TW, MO      **Grade Level:** 9-12      **Term:** Year      **Course Code:** 3210      **A-G:(c)**

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## **ALGEBRA II**

This course meets the California content standards for Algebra II and expands on the mathematical content of Algebra 1 and Geometry with an emphasis placed on abstract thinking skills, function concept, and algebraic solution of problems in various content areas. Specific topics include absolute value and inequalities, complex numbers, polynomials and rational expressions, quadratic functions, logarithms, arithmetic and geometric series, and the binomial theorem.

**Prerequisite:** Grade “C” or better in Geometry

**Schools:** TU, TW, MO      **Grade Level:** 11-12      **Term:** Year      **Course Code:** 3320      **A-G:(c)**

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## **ALGEBRA II HONORS**

This course meets the California content standards for Algebra II and Trigonometry and expands on the mathematical content of Algebra 1 and Geometry with an emphasis placed on abstract thinking skills, function concept, and algebraic solution of problems in various content areas. Specific topics include absolute value and inequalities, complex numbers, polynomials and rational expressions, quadratic functions, logarithms, arithmetic and geometric series, and the binomial theorem. Students are acquainted with a more algebraic viewpoint toward the trigonometric functions.

**Prerequisite:** Grade “B” or better in Algebra I and Geometry, teacher recommendation, and an Algebra II readiness exam score above 70%

**Schools:** TU, TW, MO      **Grade Level:** 11-12      **Term:** Year      **Course Code:** 3310      **A-G:(c)**

## PRE-CALCULUS

This course meets the California content standards for Trigonometry and math analysis. Students are acquainted with a more algebraic viewpoint toward the trigonometric functions, as well as mathematical induction, roots of polynomials, conic sections and limits. Students are prepared to take the Golden State examination in high school mathematics.

**Prerequisite:** Grade “C” or better in Algebra II or Algebra II Honors

**Schools:** TU, TW, MO      **Grade Level:** 11-12    **Term:** Year    **Course Code:** 3400    **A-G:(c)**

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## HONORS PRE-CALCULUS

This course meets the California content standards for trigonometry and math analysis and part of the Calculus A/B standards. Students are acquainted with a more algebraic viewpoint toward the trigonometric functions, as well as mathematical induction, roots of polynomials, conic sections and limits. The calculus topic of derivatives is studied. First semester instruction focuses on trigonometry and math analysis; while second semester instruction focuses on calculus topics. Students are prepared to take the Golden State examination in high school mathematics.

**Prerequisite:** Grade “A” in Algebra II, Grade “C” or better in Algebra II Honors, teacher recommendations, and a Pre-Calculus readiness exam score above 70%

**School:** TU, TW, MO      **Grade Level:** 11-12    **Term:** Year    **Course Code:** 3405    **A-G: N/A**

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## STATISTICS

Students will receive a comprehensive education concerning statistical ideas and their relevance to public policy, business, and the social, health, and physical sciences; focus on critical approach to statistical evidence with quantitative or formal reasoning. Statistics provides tools for describing variability in data and for making informed decisions that take it into account.

**Prerequisite:** None

**School:** TU, MO      **Grade Level:** 12      **Term:** Year    **Course Code:** 3555    **A-G:(c)**

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## STATISTICS ADVANCED PLACEMENT

This college-level course meets the Advanced Placement standards for statistics and is designed to be a technical and in-depth extension of probability and statistics. Topics include planning studies, hypothesis testing, probability, conditional probability, discrete random variables, continuous random variables, variance of a discrete random variable, standard distributions, standard deviation, central limit theorem, least squares regression, correlation coefficient of two variables, data organization, confidence intervals, P-value and chi-square distribution and test. Students are prepared to take the Advanced Placement examination. College credit is awarded based on test performance.

**Prerequisite:** Grade “C” or better in Algebra II

**Schools:** TU, TW, MO      **Grade Level:** 11-12    **Term:** Year    **Course Code:** 3560    **A-G:(c)**

## TECHNICAL MATH

This course is designed for seniors who have not met the two-year mathematics requirement for graduation. It does not replace the Algebra 1 requirement for graduation.

**Prerequisite:** None

**Schools:** TU, TW, MO      **Grade Level:** 12      **Term:** Year      **Course Code:** 3570      **A-G:** N/A

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## CALCULUS A/B ADVANCED PLACEMENT

This college-level course meets the Advanced Placement standards for Calculus A/B. Topics include analysis of graphs, limits of functions (including one-sided limits), asymptotic and unbounded behavior, continuity as a property of functions, concept of a derivative, derivative at a point, derivative as a function, second derivatives, applications of derivatives, computation of derivatives, interpretations and properties of definite integrals, applications of integrals, fundamental theorem of calculus, techniques of anti-differentiation, applications of anti-differentiation, numerical approximations to definite integrals. Students are prepared to take the Calculus A/B Advanced Placement examination. College credit of one semester of calculus is awarded based on test performance.

**Prerequisite:** Grade “C” or better in Pre-Calculus or Pre-Calculus Honors, Grade “A” in Algebra II Honors, teacher recommendations, and a Calculus readiness exam score above 70%

**Schools:** TU, TW, MO      **Grade Level:** 11-12      **Term:** Year      **Course Code:** 3410      **A-G:(c)**

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## CALCULUS B/C ADVANCED PLACEMENT

This college-level course meets the Advanced Placement standards for Calculus B/C. Instruction includes all calculus A/B topics, parametric, polar and vector functions, slope fields, numerical solution of differential equations using Euler’s method, L’Hopital’s Rule, convergence of improper integrals and series, derivatives of parametric, polar, and vector functions, antiderivatives by substitution of variables, improper integrals, logistic differential equations, concept of series, series of constants, and Taylor series. Students are prepared to take the Calculus B/C Advanced Placement examination. College credit of up to two semesters of calculus is awarded based on test performance.

**Prerequisite:** Grade “C” or better in AP Calculus AB or Grade B or better in Pre-Calculus Honors

**Schools:** TU, TW, MO      **Grade Level:** 11-12      **Term:** Year      **Course Code:** 3420      **A-G:(c)**

# PHYSICAL EDUCATION

## ALTERNATIVE PHYSICAL EDUCATION

This course consists of an individualized program of modified exercises and activities for improving a student's limiting condition. Emphasis is placed on weight training, swimming, and individual sports participation. Course difficulty ranges from mild to moderate dependent upon the student's physical challenge.

**Prerequisite:** Parent and physician recommendation

**Schools:** TU, TW, MO      **Grade Level:** 9-12      **Term:** Year      **Course Code:** 7290      **A-G:** N/A

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## PHYSICAL EDUCATION I

This course is designed to educate students how to be fit. Instruction through lecture, laboratory, fitness and leisure time activities teaches aspects that make a person fit. Testing monitors fitness improvement. Each student is expected to show a willingness to participate in team, small group and individual games. Regular attendance and active participation are required to pass this course.

**Prerequisite:** None

**Schools:** TU, TW, MO      **Grade Level:** 9      **Term:** Year      **Course Code:** 7260      **A-G:** N/A

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## PHYSICAL EDUCATION II

Students are expected to participate in team, small group and individual activities. Self and teacher evaluation monitor student improvement in social and motor skills, as well as achievement of a level of personal fitness. Regular attendance and active participation are required to pass this course.

**Prerequisite:** None

**Schools:** TU, TW, MO      **Grade Level:** 10-12      **Term:** Year      **Course Code:** 7270      **A-G:** N/A

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## PHYSICAL EDUCATION A

This course is designed to help students obtain optimum results in muscular strength, fitness, and coordination. Students will acquire an enhanced physical condition by using a weight and functional strength program. Each student will find his/her maximum strength in four core lifts. Subsequent lifting is based upon a percentage of each student's maximum lift. The two-fold purpose of the functional strength program is to increase aerobic conditions and overall foot speed and quickness. Regular attendance and active participation are required to pass this course.

**Prerequisite:** Successful completion of two semesters of P.E.

**Schools:** TU, TW, MO      **Grade Level:** 10-12      **Term:** Year      **Course Code:** 7390      **A-G:** N/A

### **PHYSICAL EDUCATION 3 - FITNESS**

Physical Education III is a course which specializes in fitness and showing students the importance of being fit in today's world. Students will gain knowledge, skills and an appreciation of physical fitness. Taking their fitness to the next level as well as participating in lifetime sports activities will be the focus of this course. These activities will include individual fitness and individual activities that meet current state physical education framework goals and standards. The course will be centered around the CrossFit principle.. The CrossFit prescription is performing “functional movements that are constantly varied at high intensity.” CrossFit is a core strength and conditioning program. The CrossFit program is designed to elicit as broad an adaptational response as possible. CrossFit is not a specialized fitness program but a deliberate attempt to optimize physical competence. The CrossFit Program was developed to enhance an individual's competency at all physical tasks. Our athletes are trained to perform successfully at multiple, diverse, and randomized physical challenges. This fitness is demanded of military and police personnel, firefighters, and many sports requiring total or complete physical prowess. CrossFit has proven effective in these arenas. The CrossFit Defined programming is meant to be scaled and suitable for all ages.

**Prerequisite:** Passed P.E. I and at least one year of P.E. A

**Schools:** TW                      **Grade Level:** 11-12    **Term:** Year    **Course Code:** 7380    **A-G:** N/A

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### **SPORTS OCCUPATIONS**

This course is designed for students interested in pursuing a career in sports related occupations. Instruction includes body conditioning and training, sports pedagogy, CPR and first aid, sports science, sports medicine, athletic training, injury prevention and sports therapy, sports management, personal training, officiating and scorekeeping. In addition to classroom curriculum, students may also participate in worksite experiences.

**Prerequisite:** Successful completion of P.E. 1 & 2/Teacher recommendation

**Schools:** MO                      **Grade Level:** 11-12    **Term:** Year    **Course Code:** 7410    **A-G:(g)**

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### **WEIGHT TRAINING**

This course is designed to help students obtain optimum results in muscular strength and greater physical condition based on a weight and functional strength program. Each student finds his/her maximum lift in four core lifts. Subsequent lifting is based upon a percentage of each student's maximum lift. The functional strength program's two-fold purpose is to increase aerobic conditioning and increase overall foot speed and quickness. Regular attendance and active participation are required to pass this course.

**Prerequisite:** Successful completion of two semesters of Physical Education I and passage of the P.E. testing requirement

**Schools:** TU                      **Grade Level:** 10-12    **Term:** Year    **Course Code:** 7310    **A-G:** N/A

## **INTRODUCTION TO DANCE**

An introductory course to dance. It will include beginning level terminology and execution of basic skills in hip hop, jazz, ballet and modern dance. Students will develop creative expression through choreography and performance. They will also study historical contributions and the influence of culture on dance. Through the study of stage and screen productions, students will develop an aesthetic valuing of dance. Discussion of career opportunities in dance will also be included in the course. All students will be required to participate in the Spring Dance Performance. Students will also be required to run and do a daily workout.

**Prerequisite:** None

**Schools:** MO                      **Grade Level:** 9-12      **Term:** Year      **Course Code:** 6835      **A-G:(f)**

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## **SPORTS P.E. (Athletes only)**

This course focuses on developing the complete athlete. High levels of health, wellness, and physical fitness are established through a variety of activities and assignments. Core and weight training development will be targeted to improve muscular strength and muscular endurance. Extreme conditioning is emphasized to obtain optimum cardiovascular endurance. Sport specific fundamentals and drills are part of the daily curriculum. Establishment of leadership and teamwork skills are a final component of this program. These course are divided by specific sport. A Safety Prerequisite Assessment will be administered during first 2 weeks of school. Freshmen students who do not meet the "safety prerequisite assessment" will be moved to a PE 1 course.

**Prerequisite:** Must have passed one year of P.E.

**Schools:** TU, TW, MO      **Grade Level:** 9-12      **Term:** Year      **Course Code:** 7201-7221      **A-G: N/A**

# SCIENCE

## BIOLOGY

Biology is aligned with the California content standards and is designed to prepare students for college-level biology courses. Instruction emphasizes cell biology, genetics, ecology, evolution and scientific processes and thinking.

**Prerequisite:** None

**Schools:** TU, TW, MO      **Grade Level:** 9      **Term:** Year      **Course Code:** 4230      **A-G:(d)**

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## HONORS BIOLOGY

This accelerated and enriched biology course is designed for ninth grade students who anticipate taking one or more AP Sciences, Human Biology or Physics. This is an advanced college preparatory lab science course that will provide instruction in the concepts and principles of biology. Students will develop a conceptual framework for modern biology and recognize unifying themes that integrate the major topics of biology. Students will learn about the scientific process, molecules and cells, cellular reproduction and genetics, evolution, ecology, and the form and function of animals and plants. Laboratory activities stress the development of important skills such as detailed observation, accurate recording, experimental design, and data interpretation and analysis. Students will develop critical thinking skills through research and discussions about issues relating to current advancements in Biology.

**Prerequisite:** Teacher recommendation

**Schools:** TU, TW, MO      **Grade Level:** 9      **Term:** Year      **Course Code:** 4220      **A-G:(d)**

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## BIOLOGY ADVANCED PLACEMENT

This course is designed to be the equivalent of a college-level introductory biology course generally taken by biology majors. Instruction differs significantly from high school biology with respect to the textbook used, range and depth of topics covered, and laboratory work accomplished. Students are prepared to take the Advanced Placement examination.

**Prerequisite:** Grade B or better in Biology and/or Chemistry or teacher recommendation

**Schools:** TU, TW, MO      **Grade Level:** 11-12      **Term:** Year      **Course Code:** 4210      **A-G:(d)**

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## CHEMISTRY

Chemistry is a body of systematized knowledge gained from observation, study and experimentation that leads to an understanding of the nature of materials, their composition, structure and changes they undergo. Among the topics covered in the class include chemical equations, nuclear chemistry, use of the periodic table and thermodynamics. This is a survey course designed to be a foundation for further studies in college.

**Prerequisite:** Successful completion or concurrent enrollment in Geometry, completion of Biology with a "C" or better

**Schools:** TU, TW, MO      **Grade Level:** 10-12      **Term:** Year      **Course Code:** 4330      **A-G:(d)**

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## HONORS CHEMISTRY

Chemistry is the study of material, their composition and structure, and the changes they undergo. It is a body of systematized knowledge gained from observation, study and experimentation that leads to an understanding of the nature of the materials around you and the changes they undergo.

**Prerequisite:** Grade B or better in Biology or teacher recommendation

**Schools:** TU, MO      **Grade Level:** 10-12    **Term:** Year    **Course Code:** 4320    **A-G:(d)**

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## CHEMISTRY - ADVANCED PLACEMENT

The purpose of the Advanced Placement Chemistry is to provide a college level course in chemistry and to prepare the student to seek credit and/or appropriate placement in college chemistry courses. It provides Advanced Preparation in chemistry for students who wish to pursue science careers. Students are prepared to take the Advanced Placement examination.

**Prerequisite:** Grade "B" or better in Biology and Chemistry or teacher recommendation

**Schools:** MO      **Grade Level:** 11-12    **Term:** Year    **Course Code:** 4310    **A-G:(d)**

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## ENVIRONMENTAL SCIENCE AP

The course content includes the fundamental principles and concepts of environmental science, the interdependence of Earth's ecosystems and man's effect on those systems. Prepares students for the AP exam.

**Prerequisite:** Grade "B" or better in Biology or teacher recommendation

**Schools:** TU, TW      **Grade Level:** 11-12    **Term:** Year    **Course Code:** 4550    **A-G:(d)**

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## HUMAN BIOLOGY HONORS

Human Biology is a year-long course geared for students with an interest in one of the following careers: nursing, medical assistant, lab technologist, hygienist, pre-medical or pre-dental. Instruction concentrates on unified concepts and data that contribute to a basic understanding of the structure and function of the human body.

**Prerequisite:** Grade "C" or better Biology or teacher

**Schools:** TU, TW, MO      **Grade Level:** 11-12    **Term:** Year    **Course Code:** 4580    **A-G:(d)**

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## INTRO TO PHYSICAL SCIENCE

This college preparation science class is intended for students with an interest in going to college. It covers concepts that include physics, chemistry and earth science coupled with hands-on activities and labs.

**Prerequisite:** None

**Schools:** TU, TW, MO      **Grade Level:** 9-12    **Term:** Year    **Course Code:** 4620    **A-G:(g)**

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## **PHYSICS**

Physics is the study of matter and energy and interactions between the two. Students are provided with an understanding and knowledge of the science of physics and an opportunity to further develop skills in the investigative procedures and methods of science. Physics is a survey course designed to be a foundation for further studies in college.

**Prerequisite:** Algebra II or teacher recommendation

**Schools:** TU, TW, MO      **Grade Level:** 11-12      **Term:** Year      **Course Code:** 4430      **A-G:(d)**

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## **PHYSICS ADVANCED PLACEMENT**

The Advanced placement Physics B course is an algebra-based general Physics course equivalent to the introductory algebra-based university level Physics course. This course will be covered in two semesters. The emphasis in the course is on understanding of the concepts and skills at using the concepts and formulae to solve problems. Laboratory work will be covered as an integral part of this course. Major units will be: Mechanics, Fluid Mechanics and Thermal Physics, Electricity and Magnetism, Waves and Optics, Atomic and Nuclear Physics.

**Prerequisite:** Teacher recommendation

**Schools:** TU, TW, MO      **Grade Level:** 11-12      **Term:** Year      **Course Code:** 4410      **A-G:(d)**

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## **PRE-MED BIOTECHNOLOGY**

Biotechnology is a lab course designed to introduce students to the scope of biotech research and product development across many fields. Students learn proper lab techniques and recordkeeping with a scientific notebook. They learn the methods of gel electrophoresis and restriction enzyme digestion. Students explore the ethical issues in applied biotech, as well as the rights and responsibilities of the stakeholders involved in the development, production, and use of biotechnology products. For the culminating project, students research and propose production protocols for a new biotechnology product.

**Prerequisite:** Pre-Med Academy enrollment

**Schools:** TW      **Grade Level:** 10      **Term:** Year      **Course Code:** 7843      **A-G:(d)**

# SOCIAL STUDIES

## WORLD HISTORY

Students examine major turning points in shaping the modern world from the late eighteenth century to the present. Instruction begins with a review of past learning with an emphasis placed on the growth of democratic process. Further units of study include the Revolutionary period, Industrial Revolution, Imperialism, World War I, Russian Revolution, rise of dictators, World War II, Cold War, third world, and Post-War issues. The purpose of this course is to give students the knowledge and skills necessary to assume the rights and responsibilities of citizenship.

**Prerequisite:** None

**Schools:** TU, TW, MO      **Grade Level:** 10      **Term:** Year      **Course Code:** 2320      **A-G:(a)**

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## WORLD HISTORY HONORS

Students examine major turning points in shaping the modern world from the late eighteenth century to the present. Instruction begins with a review of past learning with an emphasis placed on the growth of democratic process. Further units of study include the Revolutionary period, Industrial Revolution, Imperialism, World War I, Russian Revolution, rise of dictators, World War II, Cold War, third world, and Post-War issues. The purpose of this course is to give students the knowledge and skills necessary to assume the rights and responsibilities of citizenship, as well as to prepare them for admission into the US History Advanced Placement course.

**Prerequisite:** Willingness to undertake a rigorous academic course

**Schools:** TU, TW, MO      **Grade Level:** 10      **Term:** Year      **Course Code:** 2310      **A-G:(a)**

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## US HISTORY

US History presents instruction from the Progressive Era with a primary focus on the late 20th century. Students are made aware of how American ideals, institutions, trends, developments and changes have impacted their lives. An emphasis is placed on the importance of the individual to the development of America. Students are encouraged to appreciate the necessity of assuming the rights and responsibilities of American citizenship.

**Prerequisite:** None

**Schools:** TU, TW, MO      **Grade Level:** 11      **Term:** Year      **Course Code:** 2220      **A-G:(a)**

## **US HISTORY AP**

US History AP is a survey class with college-level instruction emphasizing the development of writing and critical thinking skills to help ensure success in college. Students are made aware of how American ideals, institutions, trends, developments and changes have impacted their lives. The importance of the individual to the development of America is stressed and students are encouraged to appreciate the necessity of assuming the rights and responsibilities of American citizenship. Students are prepared to take the Advanced Placement examination.

**Prerequisite:** Teacher recommendation

**Schools:** TU, TW, MO    **Grade Level:** 11    **Term:** Year    **Course Code:** 2210    **A-G:(a)**

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## **GOVERNMENT**

Students pursue a deeper understanding of the institutions of American government, drawing on their studies of US history and other societies to compare different systems of government in the world today. Students are instructed with regard to the goals, structure, and function of the American governmental system including the role of individual citizens in the workings of government at the national, state, and local levels.

**Prerequisite:** None

**Schools:** TU, TW, MO    **Grade Level:** 12    **Term:** Semester    **Course Code:** 2420    **A-G:(a)**

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## **GOVERNMENT AP**

This course offers college level instruction and meets the American government graduation requirements. It differs from mainstream high school curriculum both in quality and quantity of expectations and is taught in conjunction with the Economics Honors course. Students are prepared to take the Advanced Placement examination.

**Prerequisite:** Teacher/counselor recommendation

**Schools:** TU, TW, MO    **Grade Level:** 12    **Term:** Semester    **Course Code:** 2410    **A-G:(a)**

## **GOVERNMENT HONORS**

The purpose of offering an Government Honors course is to offer a rigorous, relevant, and accelerated class that goes beyond regular government. Government Honors covers the foundations of American government, different government systems, the three branches of government, the election process, civil rights and liberties, and public policy. Students will learn through readings and experiential learning methods. Students will connect what they learn to current events on a regular basis through academic discussion, research, and a culminating project. Government Honors is more rigorous than a regular government class because it is taught in 12 weeks instead of a semester; because students must not only manage the course work, but must stay updated on current events; because students work on a culminating project that connects what they learn and the current political climate throughout the 12 weeks

**Prerequisite:** “A” or “B” in World History and U.S. History

**Schools:** TU, TW, MO    **Grade Level:** 12    **Term:** Semester    **Course Code:** 2415    **A-G:(a)**

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## **ECONOMICS**

Economics is the study of how finite resources are used to satisfy individual wants and needs. Most economic problems arise from the fact that there is a limited amount of a desired resource. Economists study the production and distribution of goods and services demanded. Diverse economic systems are evaluated in this course.

**Prerequisite:** None

**Schools:** TU, TW, MO    **Grade Level:** 12    **Term:** Semester    **Course Code:** 2460    **A-G:(g)**

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## **ECONOMICS HONORS**

This course gives students an understanding of the basic principles of economics and, specifically, those that apply to an economic system as a whole. A particular emphasis is placed on the study of national income and price determination. This course develops students’ familiarity with economic performance measures, economic growth, and international economics.

**Prerequisite:** Teacher / Counselor recommendation

**Schools:** TU, TW, MO    **Grade Level:** 12    **Term:** Semester    **Course Code:** 2450    **A-G:(g)**

## **MACRO-ECONOMICS AP**

AP Economics is a fast paced college-level course that focuses on the decision making of individuals, businesses, and the government. Students will study a variety of economic theories and analyze their practical application in the real world. This yearlong course will cover both microeconomics and macroeconomics. Micro focuses on the supply and demand for products, the labor markets, and the role competition plays in a free market system. Macro focuses on the economy as a whole, including economic measures, economic growth, fiscal policy, monetary policy, and international economics. Students are expected to take both AP exams in May. This class will prepare you for college and potentially allow you to earn 6 university credits upon passing both AP exams. Extensive math skills are not required; however, the ability to analyze graphs and charts is essential.

**Prerequisite:** “A” or “B” in previous Social Science classes preferred

**Schools:** TW, MO      **Grade Level:** 12      **Term:** Year      **Course Code:** 2490      **A-G:(g)**

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## **CULTURAL US HISTORY**

This class will explore our nation’s history from the perspective of various cultural and immigrant groups as well as the history of women. Specifically, the class will examine the struggles and contributions of African Americans, Mexican Americans (Latinos), Native Americans, Asian American, Women and other immigrant groups represented in our community. There will be an emphasis on vocabulary development, reading and writing proficiency to prepare you for college and the professional working world. Cultural history will be learned through reading of novels, research assignments, various documentaries, interviews with family and community members, and a self-history project.

**Prerequisite:** None

**Schools:** MO      **Grade Level:** 11-12      **Term:** Year      **Course Code:** 2540      **A-G:(g)**

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## **AP EUROPEAN HISTORY**

This course covers both the California Content Standards for World History and the AP European history requirements set forth by the college board. After examining the beginnings of Western Civilization and democratic ideas which began in the ancient world, the course’s focus turns to examining European history from approx. 1450 A.D. to the present. It introduces students to key people, events, concepts, and trends while focusing on the broad cultural, intellectual, economic, political, diplomatic and social development that played a fundamental role in shaping modern Europe. Emphasis is also placed on Europe’s interaction with the rest of the world, giving the course a global aspect. Additionally, students will learn how to analyze and interpret primary source documents, and develop essay writing skills.

**Prerequisite:** Teacher recommendation

**Schools:** TU      **Grade Level:** 10-12      **Term:** Year      **Course Code:** 2260      **A-G:(a)**

# VISUAL AND PERFORMING ARTS

## ADVANCED BAND

Advanced Band is a one-year course divided into two-semester parts: marching band and concert band. The marching session involves learning music for parades, halftime shows, pep rallies, and band reviews. Concert band members play music literature from different eras written for concert, symphonic, and wind ensemble musical groups. Small ensemble groups (woodwind, brass, percussion) are initiated for community events and participation in solo and small ensemble county festivals. Advanced Band students belong to a performing organization that provides opportunities and experiences permitting them to participate and progress to their fullest potential. Instruction includes general music education in the areas of major/minor scales, chord construction, and sight-reading difficult rhythm patterns.

All band members are required to practice outside the school day. Periodic individual auditions are scheduled to validate this procedure and rate results into a section seating order. Students have the opportunity to listen to audio band music recordings and watch videos of musical groups in marching and concert band performance. Required listening includes classical, contemporary, baroque, and other music styles. Records of student assignments and audition scores are kept by the teacher for quarter and semester grading purposes.

**Prerequisite:** Audition by teacher/ability commensurate with level of group to which student is assigned

**Schools:** TU, TW, MO      **Grade:** 9-12      **Term:** Year      **Course Code:** 6510      **A-G:(f)**

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## MUSIC ELEMENTS

This course is designed for students who seek to enrich their fundamental knowledge of music. The purpose of this course is for students to develop skill sets that will help them in performance practice, music arranging and music composition.

**Prerequisite:** None

**Schools:** TU      **Grade:** 9-12      **Term:** Year      **Course Code:** 6600      **A-G: N/A**

## **STAGE/JAZZ BAND**

Stage Band is designed for the band student who would like to broaden his/her knowledge of the field of jazz. Instruction includes improvisational reading and playing techniques, as well as general music education in the areas of major/minor scales, simple chord construction, sight-reading difficult jazz rhythms, articulation styles of jazz, seventh and ninth chord identifying, and performing ear-training concepts. Music material consists of music charts from the Big-Band era to modern day jazz. Students perform at various school functions, community events, and attend jazz clinics and festivals. Stage Band students belong to a performing organization that provides opportunities and experiences permitting them to participate and progress to their fullest potential. Students are taught to become as proficient on their instrument as time and ability allows.

All band members are required to practice outside the school day. Periodic individual auditions are scheduled to validate this procedure and rate results for possible placement into county and state jazz honor groups. Students have the opportunity to listen to audio jazz band music recordings and watch video cassettes of musical groups in stage/jazz band performance. Required listening includes ragtime, rhythm and blues, big-band, modern jazz, and other styles. Records of student assignments, participation, and audition scores are kept by the teacher for quarter and semester grading purposes.

**Prerequisite:** Audition by teacher / ability commensurate with level of group to which student is assigned

**Schools:** TU, TW, MO      **Grade:** 9-12      **Term:** Year      **Course Code:** 6550      **A-G:(f)**

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## **BAND – INTERMEDIATE**

This course is designed for the non-beginner and non-advanced student who has a few years' experience, but requires further instruction in order to play advanced band literature. Instruction includes rhythm pattern exercises, major, minor, and chromatic scales, teacher-selected music, basic harmony, theory, ear-training, note/rest value and identification, time and key signature, instrument history, transposition, and general music education in the areas of major/minor scales, chord construction, and sight-reading rhythm patterns. Students are taught to become as proficient on their instrument as time and ability allows. Students in this course are required to practice outside the school day. Periodic individual auditions are scheduled to validate this procedure and rate results for possible placement into the advanced band program. They have the opportunity to listen to audio band music recordings and watch videos of musical groups in marching and concert band performance. Required listening includes classical, contemporary, baroque, and other music styles. Records of student assignments and audition scores are kept by the teacher for quarter and semester grading purposes.

**Prerequisite:** Audition by teacher/ability commensurate with level of group which student is assigned

**Schools:** TU, TW, MO      **Grade:** 9-12      **Term:** Year      **Course Code:** 6570      **A-G:(f)**

## **BAND – AUXILIARY**

This year-long course in marching concepts, halftime show and in-door pageantry is offered to letter carriers, majorettes, rifle team members, and tall flag corps. Members participate in all home varsity football games and state-wide band reviews and competitions, parades and theme park concerts.

**Prerequisite:** Audition and Teacher recommendation

**Schools:** TU, TW, MO      **Grade:** 9-12      **Term:** Year      **Course Code:** 6520      **A-G:** N/A

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## **CHOIR**

Chorus is an introduction to choral music designed specifically for beginning singers. The course of study develops vocal skills and music reading techniques necessary for the performance of selected literature. Some performances are required.

**Prerequisite:** None

**Schools:** TU, TW, MO      **Grade:** 9-12      **Term:** Year      **Course Code:** 6630      **A-G:**(f)

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## **CHAMBER CHOIR**

Chamber choir students are instructed in music theory and ear-training exercises and become acquainted with higher-level sacred and secular choral music. Selections cover many different styles from various periods of musical history. Language studies are incorporated into course instruction. The Chamber choir participates in the Tulare-Kings County Honors Choir and performs entire programs for other specific organizations and groups.

**Prerequisite:** Audition and selection by instructor (This course is repeatable)

**Schools:** TU, TW, MO      **Grade:** 9-12      **Term:** Year      **Course Code:** 6640      **A-G:**(f)

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## **CONCERT CHOIR**

This group has a mandatory performance that will be coordinated with the chamber choir. Students will study music theory, ear training, breathing, posture, vocal diction, and vowel clarity. Selections of music will cover many different styles from many cultures and many periods of music history. Successful completion of this course meets the A-G requirement for UC/CSU systems

**Prerequisite:** Audition and selection by instructor

**Schools:** TU, TW, MO      **Grades:** 9-12      **Term:** Year      **Course Code:** 6650      **A-G:**(f)

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## **DRAMA I**

Drama 1 enhances communication through acting, direction, media, design or production. Students build their communication skills with pantomime, improvisation, vocal work, design and formal acting.

**Prerequisite:** None

**Schools:** TU, TW, MO      **Grade:** 9-12      **Term:** Year      **Course Code:** 6800      **A-G:**(f)

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## **DRAMA II/III**

Drama II/III is for advanced students selected through an audition with the instructor. This course enhances communication through acting, direction, media, design and production. Advanced drama students continue to build their communication skills with formal acting and the responsibilities associated with production.

**Prerequisite:** Drama I with a “C” or better

**Schools:** TU, TW, MO    **Grade Level:** 10-12    **Term:** Year    **Course Code:** 6810/6820    **A-G:(f)**

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## **ORCHESTRA**

Orchestra is designed for the non-beginner student who has experience on a string instrument (violin, viola, cello and upright bass). Students play music literature from different eras written for string ensembles. Small ensemble groups (2 violins, 1 viola, 1 cello) are initiated for community events and participation in solo and small ensemble festivals. Orchestra students belong to a performing organization that provides opportunities and experiences permitting them to participate and progress to their fullest potential. Instruction includes general music education in the areas of major/minor scales, chord construction, and sight-reading difficult rhythm patterns. All Orchestra members are required to practice outside the school day. Periodic individual auditions are scheduled to validate this procedure and rate results into a section seating order.

Students have the opportunity to listen to audio orchestra music recordings and watch videos of musical groups in orchestra performance. Required listening includes classical, baroque, contemporary and other music styles. Records of student assignments and audition scores are kept by the teacher for quarter and semester grading purposes.

**Prerequisite:** Audition by teacher / ability commensurate with level of group to which student is assigned

**Schools:** TU, TW, MO    **Grade Level:** 9-12    **Term:** Year    **Course Code:** 6580    **A-G:(f)**

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## **CHILDREN’S THEATRE**

Children’s Theatre is open to all students in grades 10-12. Students with a year of Drama 1 and students interested in primary education or childcare fields are encouraged to enroll in the class. Children’s Theatre will concentrate on all aspects of creative dramatics, performance for children, and concept acquisition/values clarification through different styles of theater like puppetry, role play, story theatre, readers theatre, as well as a formal performance in a children’s theatre play. Successful completion of this course meets the Visual and Performing Arts /World Language requirement for graduation and the Visual and Performing Arts (‘f’) requirement for the CSU/UC system.

**Prerequisite:** Drama 1 preferred but not required

**Schools:** TW    **Grade Level:** 10-12    **Term:** Year    **Course Code:** 6825    **A-G: N/A**

## **ART CONCEPTS AND DESIGN**

Art Concepts is a beginning art class introducing students to the basic concepts of artistic expression and the fundamentals of artistic design through a variety of 2D media with an emphasis in drawing. The purpose of this course is to increase and expand upon existing artistic skills and perceptions in art, increase knowledge of the historical and cultural content of art, foster creative expression, and teach the student how to analyze and respond to artwork.

**Prerequisite:** None

**Schools:** TU, TW, MO      **Grade Level:** 9-12      **Term:** Year      **Course Code:** 6670      **A-G:(f)**

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## **ADVANCED ART CONCEPTS**

This course is an advanced, two-dimensional art class with an emphasis on drawing. Student will use their knowledge and skills from the beginning Art Concepts class to review and improve their skills while further developing their understanding of the principles of design. Students will be introduced to strategies to develop creativity and will be encouraged to produce unique and original works through different creative thinking processes. Students who complete this class successfully will have produced a finished body of works that they have critically analyzed in a finished portfolio. Successful completion of this course meets the Visual and Performing Arts /World Language requirement for graduation and the Visual and Performing Arts ('f') requirement for the CSU/UC system.

**Prerequisite:** Completion of both semesters of Beginning Art Concepts with a grade of "A" or instructor approval

**Schools:** TU, TW, MO      **Grade Level:** 10-12      **Term:** Year      **Course Code:** 6660      **A-G: N/A**

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## **ART HISTORY AP**

Art History focuses on the visual arts: painting, sculpture and architecture. Connections are made to other art and subject areas such as music, literature, drama, economics and history. Students are prepared to take the Advanced Placement exam.

**Prerequisite:** Teacher recommendation

**Schools:** TU      **Grade Level:** 11-12      **Term:** Year      **Course Code:** 6680      **A-G:(f)**

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## **DRAWING AND SKETCHING**

This course increases and expands upon existing drawing skills and artistic perceptions of drawing in art, increase knowledge of the historical and cultural content in drawings, foster creative expression through drawing, and teach the student how to analyze and respond to drawings as artwork. Students are exposed to a comprehensive study of the drawing media including a history of artists, historical drawing techniques, and fundamental techniques of drawing using a variety of wet and dry drawing media. Students acquire the knowledge and ability to create, complete, and critically evaluate drawings.

**Prerequisite:** Art Concepts and Design

**Schools:** TU      **Grade Level:** 10-12      **Term:** Year      **Course Code:** 6760      **A-G:(f)**

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### **THREE-DIMENSIONAL ART**

Students are introduced to the four basic components of art education: production, criticism, history and aesthetics. By utilizing several mediums, students begin to develop and then expand their aesthetic perception and visual arts knowledge and skills, as well as begin to develop a personal, visual concentration with their own work. The instructor leads students through a variety of techniques for working in each medium covered. Students are exposed to and gain knowledge of three-dimensional art in history and cultural developments related to art. They begin to develop a base for making informed aesthetic judgments: how to analyze, interpret, theorize and judge art works and the nature of art.

**Prerequisite:** None

**Schools:** TU, TW, MO **Grade Level:** 9-12 (MO: 10-12) **Term:** Year **Course Code:** 6700 **A-G:(f)**

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### **ADVANCED THREE-DIMENSIONAL ART**

Students in this course continue to be exposed to uses of a wide range of media, along with multiple uses and combinations, as they develop a personal, visual concentration with their own work. They increase and expand upon existing artistic perceptions, knowledge of three-dimensional art in history and culture, foster creative expression, and develop an understanding of how to analyze and respond to three-dimensional art. Analytical skills develop related to form and subject matter while students explore artworks created by contemporary and professional artists. The development of original ideas and communicating them visually in three-dimensional form is emphasized.

**Prerequisite:** Three-dimensional art

**Schools:** TU, MO **Grade Level:** 10-12 **Term:** Year **Course Code:** 6710 **A-G: N/A**

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### **CERAMICS 1**

This is an introductory art course. Students learn different construction methods and glaze techniques. Students will learn studio etiquette and proper use of the equipment. They are expected to master all areas in order to express themselves in a safe and creative manner. Ceramic artists, both past and present, are covered as well as important ceramic objects throughout history are reviewed and studied. Successful completion of this class meets the A-G requirement for UC/CSU systems.

**Prerequisite:** None

**Schools:** TW, MO **Grade Level:** 9-12(MO:10-12) **Term:** Year **Course Code:** 6850 **A-G:(f)**

## **CERAMICS 2**

Ceramics 2 is an advanced art course. Students learn different construction methods and glaze techniques. Students will learn studio etiquette and proper use of the equipment. They are expected to be able master all these areas in order to express themselves in a safe and creative manner. Ceramic artists, both past and present, are covered as well as important ceramic objects throughout history are viewed and studied. Successful completion of this course meets the Visual and Performing Arts /World Language requirement for graduation and the Visual and Performing Arts ('f') requirement for the CSU/UC system.

**Prerequisite:** Grade of "A" or better in Ceramics I or teacher recommendation

**Schools:** TW, MO    **Grade Level:** 10-12(MO:11-12)    **Term:** Year    **Course Code:** 6860    **A-G:(f)**

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## **BEGINNING PHOTOGRAPHY**

This course introduces students to the basic elements of photography which include technical skills of camera operations, pictorial composition, lighting, developing, printing, digital imaging, mounting, and display. By utilizing photography as an art medium, students develop and expand their artistic expression, aesthetic perception, visual arts knowledge and skills, knowledge of historical and cultural developments related to photography, and a base for making informed aesthetic judgments. Photography techniques teach discipline and organization, and the awareness of visual communication. Students learn vocational skills that can help prepare them for careers in studio photography, industrial photography, photojournalism and other photo-related occupations. It is not required that students own a camera.

**Prerequisite:** None

**Schools:** TU                                    **Grade Level:** 9-12    **Term:** Year    **Course Code:** 6720    **A-G:(f)**

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## **DIGITAL PHOTOGRAPHY**

This course is an introductory level Visual Performing Arts class where students will experience photography by immersing themselves in the creative process, learning about the history and evolution, and making connections to how it relates to today's workplace and society as a communication medium. Students will have the opportunity to experiment with digital photographic equipment, digital photographic manipulation programs, image making or manipulating equipment. Students will learn to express their individuality in black and white photography followed by color photography with aesthetic qualities, point of view, connection with the subject and emotion. Students will learn to develop their photographs in the digital darkroom (photo editing software lightroom/bridge) as well as print and mount their work for display. Students will connect photography with other art forms and with other disciplines and careers.

**Prerequisite:** None

**Schools:** TW                                    **Grade Level:** 9-12    **Term:** Year    **Course Code:** 6721    **A-G: N/A**

## **DIGITAL DESIGN**

This course is designed to provide students with knowledge, appreciation and skill levels in art by using contemporary tools and dealing with projects that have real-world application in contemporary society. Students chiefly will use computer-based art and design tools. However, this is not a class to teach students how to use computers. Today's students are computer users. Rather, it is using computers and related equipment as tools to help students achieve artistic and visual communication goals and levels. Digital Design will teach students how to use powerful graphic design tools such as Adobe Photoshop along with teaching design basics and strategies. In this class we will be creating posters, word art, brochures, web sites, folders, and many more fun, exciting, and practical projects, many of which you will see used around our campus.

**Prerequisite:** Some computer skills, interest in digital video and photography

**Schools:** TU, TW, MO      **Grade Level:** 9-12      **Term:** Year      **Course Code:** 6480      **A-G:(f)**

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## **FILM/VIDEO ARTS**

This course introduces students to the art, language and history of film and to the basics of film/video production. Students research and report on the film/television industry and its role in society, including studying, analyzing, and critiquing films and film/television clips, as well as directors. Students are introduced to movie making techniques, including scriptwriting, storyboarding, cinematography, editing and production. Students apply that knowledge by planning, directing, filming and editing videos in a series of projects both in groups and on their own. At the end of the year, students author their own DVD featuring their collected work.

**Prerequisite:** Application, teacher recommendation

**Schools:** TU      **Grade Level:** 10-12      **Term:** Year      **Course Code:** 6740      **A-G:(f)**

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## **OILS AND WATERCOLOR**

In this comprehensive study of oil painting media, students explore different approaches to oil painting and techniques with an emphasis placed on the elements of art and design, color and composition. They experience a history of oil painting artists, historical and contemporary painting, accompanied by the fundamental techniques of oil painting. They acquire the knowledge and skills to create, complete, and critically evaluate oil paintings. The purpose of this course is to introduce and expand upon existing skills, foster communication, creative expression and personal style through painting, and increase the student's ability to analyze, respond and critique oil paintings.

**Prerequisite:** None

**Schools:** TU      **Grade Level:** 10-12      **Term:** Year      **Course Code:** 6780      **A-G:(f)**

# WORLD LANGUAGES

## LATIN I

Latin I is designed to introduce the students to the basics of the Latin language, its contributions to subsequent Romance languages (Spanish, Italian, Portuguese, French, etc), as well as English, both in vocabulary and grammar. Key to comprehension of Latin is an understanding of case endings and the unique syntactic construction of the language. This will be the main goal of the student's first year of Latin. Students will also begin to develop an understanding of Rome's culture and its legacy in laying much of the framework for Western Civilization: republican system of government, law codes, philosophy, architecture, engineering, literature and art.

**Prerequisite:** None

**Schools:** TU                      **Grade Level:** 9-12      **Term:** Year      **Course Code:** 5200      **A-G:** N/A

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## LATIN II

Latin II is designed to continue students' mastery of the Latin language, its contributions to subsequent Romance languages (Spanish, Italian, Portuguese, French, etc), as well as English, both in vocabulary and grammar. Students will continue to develop an understanding of case endings and the unique syntactic construction of the language. Students will also continue to develop an understanding of Rome's culture and its legacy in laying much of the framework for Western Civilization: republican system of government, law codes, philosophy, architecture, engineering, literature and art.

**Prerequisite:** None

**Schools:** TU                      **Grade Level:** 9-12      **Term:** Year      **Course Code:** 5210      **A-G:** N/A

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## LATIN III

Latin III is designed to grant further opportunity for students to begin mastering more of the finer points of the Latin language, its contributions to subsequent Romance languages (Spanish, Italian, Portuguese, French, etc), as well as English, both in vocabulary and grammar. This course will have an increasing amount of authentic Latin texts of greater complexity in grammar and syntax, as well as breadth and depth in meaning. Students will continue to develop an understanding of case endings and the unique syntactic construction of the language. Students will also continue to develop an understanding of Rome's culture and its legacy in laying much of the framework for Western Civilization: republican system of government, law codes, philosophy, architecture, engineering, literature and art.

**Prerequisite:** None

**Schools:** TU                      **Grade Level:** 9-12      **Term:** Year      **Course Code:** 5220      **A-G:** N/A

## **SPANISH I**

These beginning language courses, conducted almost exclusively in the target language, are instructed in accordance with the state framework and emphasize listening comprehension, speaking, reading, and writing. Students speak, read, and write about school, family, friends, careers, travel, sports, pastimes, shopping and other themes. They learn to communicate their likes and dislikes and discuss things they do now or will do in future. The student who successfully completes this course is able to comprehend and respond to Spanish or Portuguese at an elementary level and capable of handling everyday cultural activities.

**Prerequisite:** None

**Schools:** TU, TW, MO      **Grade Level:** 9-12      **Term:** Year      **Course Code:** 5010      **A-G:(e)**

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## **SPANISH II**

Students in either of these courses participate in basic and routine communication tasks such as everyday conversation, typical reading situations, and writing simple messages, letters and summaries. Their vocabulary continues to expand as they learn to discuss things in the past and present. Students who successfully complete this course are able to comprehend and speak about a variety of topics in both the present and past tense and are capable of handling more complex cultural situations. These courses are conducted almost exclusively in the target language.

**Prerequisite:** Grade “C” or better in Spanish I

**Schools:** TU, TW, MO      **Grade Level:** 9-12      **Term:** Year      **Course Code:** 5020      **A-G:(e)**

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## **SPANISH III**

Students in their third year of language study continue to expand and strengthen their vocabulary and oral and written communication skills as they present information, comprehend concepts, and develop ideas related to real life situations. They pursue the exploration of literary works, poetry, narrative, and drama, and improve their perspective of the culture and languages studied. The student who successfully completes this course has an intermediate level of reading, comprehension, writing, and speaking the target language in past, present, and future tenses. These courses are conducted almost exclusively in the target language.

**Prerequisite:** Grade “C” or better in Spanish I

**Schools:** TU, TW, MO      **Grade Level:** 9-12      **Term:** Year      **Course Code:** 5030      **A-G:(e)**

## **SPANISH IV**

Spanish IV students refine their oral and written communication skills at an advanced level. Students demonstrate their competency through numerous writing assignments, skits, and class presentations. Cultural identity is developed through literature and history. The student who successfully completes this course is able to communicate effectively about many topics, formulate opinions, make arguments, and write a complete five-paragraph essay. This course is conducted exclusively in Spanish.

**Prerequisite:** Grade “C” or better in Spanish III, teacher recommendation, or ability to read, write and speak Spanish

**Schools:** TU, TW, MO      **Grade Level:** 9-12      **Term:** Year      **Course Code:** 5040      **A-G:(e)**

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## **SPANISH LANGUAGE V**

This course is designed to survey the history, literature, grammar, world and is able to communicate in the 14 verb tenses. This course is conducted exclusively in Spanish.

**Prerequisite:** Grade “C” or better in Spanish III or IV

**Schools:** TU, MO      **Grade Level:** 10-12      **Term:** Year      **Course Code:** 5050      **A-G:(e)**

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## **SPANISH LANGUAGE V HONORS**

This course offers study in ten Literary genres. Among these are fables, short stories, novels, poetry essays, etc. It serves as a bridge between Advanced Spanish language AP and Spanish Literature AP. Students learn the characteristics of each genre and its contribution to the evolution of Hispanic thought and expression. Students who have not previously taken the Spanish Language AP Exam.

**Prerequisite:** Spanish 4 with a “C” or better

**Schools:** TU, MO      **Grade Level:** 10-12      **Term:** Year      **Course Code:** 5060      **A-G:(e)**

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## **AP SPANISH LANGUAGE**

This course, conducted exclusively in Spanish, is the equivalent of a third-year college course in advanced Spanish language and provides a rigorous curriculum encompassing listening and oral skills, reading comprehension, grammar, and composition. Students refine, perfect, and enhance their proficiency in speaking, writing, reading, and comprehending the target language. Students study key Hispanic authors in preparation for the Spanish VII Literature Advanced Placement course and are prepared to take the Advanced Placement examination.

**Prerequisite:** A grade of a “C” or better in Spanish III or Spanish IV, or Grade B or better in Spanish V Honors, and teacher recommendation

**Schools:** TU, TW, MO      **Grade Level:** 10-12      **Term:** Year      **Course Code:** 5070      **A-G:(e)**

## **AP SPANISH VII LITERATURE**

This course, conducted exclusively in Spanish, focuses on Spanish and Spanish-American literature as students study and provide written and oral analysis of various literary works including short stories, novels, poetry and dramas. The historical, political, social and economic backgrounds that helped shape Spanish and Spanish-American literature are examined. The student who successfully completes this course is prepared with the knowledge and understanding of the five main authors recognized on the Spanish Literature Advanced Placement examination.

**Prerequisite:** Grade “C” or better in Spanish V Honors or Spanish VI AP and teacher recommendation

**Schools:** TU, TW      **Grade Level:** 11-12      **Term:** Year      **Course Code:** 5080      **A-G:** N/A

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## **PORTUGUESE I**

This beginning language course, conducted almost exclusively in the target language, is instructed in accordance with the state framework and emphasizes listening comprehension, speaking, reading, and writing. Students speak, read, and write about school, family, friends, careers, travel, sports, pastimes, shopping and other themes. They learn to communicate their likes and dislikes and discuss things they do now or will do in future. The student who successfully completes this course is able to comprehend and respond to Portuguese at an elementary level.

**Prerequisite:** None

**Schools:** TU, TW, MO      **Grade Level:** 9-12      **Term:** Year      **Course Code:** 5130      **A-G:(e)**

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## **PORTUGUESE II**

Students in either of these courses participate in basic and routine communication tasks such as everyday conversation, typical reading situations, and writing simple messages, letters and summaries. Their vocabulary continues to expand as they learn to discuss things in the past and present. Students who successfully complete this course are able to comprehend and speak about a variety of topics in both the present and past tense and are capable of handling more complex cultural situations. These courses are conducted almost exclusively in the target language.

**Prerequisite:** Grade “C” or better in Portuguese I

**Schools:** TU, TW, MO      **Grade Level:** 9-12      **Term:** Year      **Course Code:** 5140      **A-G:(e)**

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## **PORTUGUESE III**

Students in their third year of language study continue to expand and strengthen their vocabulary and oral and written communication skills as they present information, comprehend concepts, and develop ideas related to real life situations. They pursue the exploration of literary works, poetry, narrative, and drama, and improve their perspective of the culture and languages studied. The student who successfully completes this course has an intermediate level of reading, comprehension, writing, and speaking the target language in past, present, and future tenses. These courses are conducted almost exclusively in the target language.

**Prerequisite:** Grade “C” or better in Portuguese II

**Schools:** TU, TW, MO      **Grade Level:** 9-12      **Term:** Year      **Course Code:** 5150      **A-G:(e)**

## **PORTUGUESE IV HONORS**

Students in this course acquire the necessary skills for oral and written communication in the Portuguese language at an advanced level. A focus is placed on the practical aspects of the target language in real life situations and penetrating the idiosyncrasies of the language and culture through literature, music, film, history, and community involvement. The student who successfully completes this course is able to communicate in Portuguese about a variety of topics with created and planned language. This course is conducted exclusively in Portuguese.

**Prerequisite:** Grade “B” or better in Portuguese III or teacher recommendation

**Schools:** TU                                      **Grade Level:** 11-12    **Term:** Year    **Course Code:** 5160    **A-G:(e)**

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## **PORTUGUESE V HONORS**

Portuguese V-Honors is designed for students who want to further develop their skills in the Portuguese language and the cultures of the Portuguese speaking countries throughout the world. Students will expand on the knowledge acquired in the lower level classes and will expand into the realm of literature, short stories, cinema, the arts and everyday speech. Students will participate in the Azorean Folklore experience, performing at schools and community venues. Students will further develop their skills in reading and interpreting journalistic and literary texts. Students will maintain a six-week page on the statewide Portuguese language Newspaper, Portuguese Tribune, focusing on the Portuguese-American experience in Tulare County and participate in online opportunities to practice the language with near native and native speakers. Students will be able to learn translations at a literary level, through poems and short stories.

**Prerequisite:** Portuguese IV

**Schools:** TU                                      **Grade Level:** 12                      **Term:** Year    **Course Code:** 5171    **A-G:(e)**

## MISCELLANEOUS ELECTIVE COURSES

### CAREERS IN EDUCATION

Under the supervision of the guidance counselor and teacher of assignment, a successful intern will develop basic teaching knowledge, concepts and skills to be used to promote student academic success. A successful intern will also assist in students concept of self-worth and enrich students educational experiences. Successful interns will understand and adhere to all district, school and classroom rules/expectations and will hold students to the same standard of behavior.

**Prerequisite:** None

**Schools:** TU, TW, MO      **Grade Level:** 11-12    **Term:** Year    **Course Code:** 7135    **A-G:** N/A

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### CHILDREN'S LITERATURE OF THE FANTASTIC

This course is designed to address the standards for 11th and 12th grade college prep English through the study of children's literature. This course offers a survey of classical and contemporary children's literature. It provides the historical background of children's literature as well as modern application of the literature. This course is taught as a literature course, using essential questions to provide an opportunity for students to read, analyze, Synthesize, and understand quality children's literature.

**Prerequisite:** None

**Schools:** MO      **Grade Level:** 11-12    **Term:** Year    **Course Code:** 1625    **A-G:** N/A

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### COMMUNITY SERVICE/INTERNSHIP

Community service in the form of volunteerism has long been a worthwhile and important aspect of our society. Encouraging young people to participate in the improvement of their community through volunteerism has the full support of the Board of Education and is in concert with district goals and objectives. Accordingly, student volunteers in community service projects beyond those associated with their regular school coursework, are encouraged. Students may earn up to 5 units of elective credit. The assistant principal for pupil personnel services is responsible for program operation and direction.

**Prerequisite:** Application and parent approval

**Schools:** TU, TW, MO    **Grade Level:** 11-12    **Term:** Semester/Year    **Course Code:** 8240    **A-G:** N/A

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### CREATIVE WRITING

This one-year creative writing course is for all students interested in the pursuit of becoming a better writer, reader and thinker by exploring the use of human imagination. The student will investigate writing from the past and present to discover how he or she may improve his or her own writing. The creative writing student is also expected to adopt the persona of an artist working in and with a community of fellow artists

**Prerequisite:** None

**Schools:** MO      **Grade Level:** 11-12    **Term:** Semester/Year    **Course Code:** 1595    **A-G:**(g)

## DIGITAL ELECTRONICS

The purpose of this course is to introduce the students to electrical engineering, electronics and circuit design. Through computer simulation and hands-on projects students apply engineering principles and document their work. Students use industry standard electronics design and simulation software to solve proposed problems and then build working prototype breadboard circuits. Students document their work using an engineer's notebook and communicate solutions to peers and member of the professional community.

**Prerequisite:** Algebra I with a C or better

**Schools:** MO      **Grade Level:** 10-12      **Term:** Year      **Course Code:** 7970      **A-G:** N/A

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## CRITICAL THINKING THROUGH CHESS 1

Chess, the World's most difficult game, is recognized as one of the most effective tools for developing the skills necessary for success in the 21st Century. In research studies, chess has been shown to improve Critical thinking and creative problem solving skills, impacting both academic and social aspects of the learner's life. By learning and applying the rules, concepts, and strategies of chess, students will develop their critical thinking skills in a fun and engaging Way. b. Statement of Purpose: Chess has been referred to as "the perfect teaching tool" and it has a long history and a global appeal as an intellectual pursuit in society. Importantly in Tulare County, chess is a universal game that has no language, religious, or socioeconomic boundaries. Everyone is equal on the chessboard. Along with developing the mind, chess develops the soul of those that play, breaking down barriers and fostering a positive sense of self and of control over decisions and their consequences. Chess is for every student, and a thriving chess Culture on campus can be a unifying, intellectual, and positive force.

**Prerequisite:** None

**Schools:** MO      **Grade Level:** 9      **Term:** Year      **Course Codes:** 1670      **A-G:** N/A

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## CRITICAL THINKING THROUGH CHESS 2

Critical Thinking through Chess 2 builds on the concepts learned in CTTC 1, exploring deeper the strategies and tactics that shape the three phases of the game: the opening, middlegame, and endgame. For each of the three units, students will study master games, analyzing the strategies used, and applying them in games to assess their effectiveness, understanding their logic, and folding them into their personal repertoire. Students will will also work collaboratively to host and participate in a school wide (District wide? County wide?) chess tournament. Statement of Purpose: Deep study of any topic is beneficial. Chess, a life-long intellectual pursuit, is perfectly suited to further develop the Concepts of Critical thinking, Creative problem solving, planning, and risk/benefit analysis. No activity is better designed as a metaphor for the challenges of life-the parallels and available stories are everywhere. CTTC 2 is a Critical piece in establishing a larger, campus-wide chess Culture, one that promotes civility, unity, and intellectualism while eliminating any racial, religious, economic, or other perceived borders.

**Prerequisite:** None

**Schools:** MO      **Grade Level:** 10-12      **Term:** Semester      **Course Code:** 1672      **A-G:** N/A

## **ELECTRICIAN TRAINING 1**

This is an electrical course in a series of state-approved Electrician Training classes. Topics include electrical theory, introduction of NEC codes, electrical blueprints, hand bending, fasteners, anchors, test equipment, raceways, boxes, fittings, and residential wiring. NCCER Modules 17-25.

**Prerequisite:** Introduction to Electrician Training

**Schools:** ACHS **Grade Level:** 11-12 **Term:** Semester **Course Code:** 7796 - COS Dual Enrollment

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## **ENGINEERING DESIGN & DEVELOPMENT**

This course is an engineering research course in which students work in teams to design and develop an original solution to a valid open-ended technical problem by applying the engineering design process. This course will apply and concurrently develop secondary level knowledge and skills in mathematics, science and technology. This course utilized the activity-project-problem-based teaching and learning pedagogy. Students will perform research to choose, validate, and justify a technical problem. After defining the problem, teams of students will design, build and test their solution. Student teams will then present and defend their original solution to an outside panel of industry partners and professionals. While progressing through the engineering design process, students will work with a community mentor and experts to work on their organizational, communication and interpersonal skills, their creative problem solving abilities, and their understanding of the design process.

**Prerequisite:** Engineering Pathway student or has instructor's consent. Successful completion of IED and POE.

**Schools:** MO **Grade Level:** 12 **Term:** Year **Course Code:** 7990 **A-G:(g)**

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## **FILM AS LITERATURE**

Film as Literature is designed to introduce student to the media of film as an art form. Students participate in the analysis of films, and acquire a working Vocabulary of terms that describe the film industry and the analysis of films. Students will participate in interpersonal and group activities that develop firm concepts of genre. Students enrolled in this class study film both as a visual art form and as a form of visual literature. Although the average American view "moving images" for hours each day, most watch uncritically and passively, rarely analyzing how the film Works to create meaning or shape images. This course will promote 'cineliteracy', an understanding of how film communicates, by analyzing the complex network of language systems that film employs through the application of the techniques students have already been taught for analyzing and reviewing literary communication. Each class is organized primarily around a systematic look at literature, expository reading and writing, and the following film genres: drama; comedy (romantic, 'screwball, slapstick, satire, parody); documentary; western (and archetypal western hero); war & propaganda; Science-fiction; mystery and Suspense (particularly the art of Alfred Hitchcock); film noir (and the private detective as an extension of western hero); foreign; and action adventure. Discussion focuses closely on the dramatic, literary and cinematic aspects of each film viewed and work read.

**Prerequisite:** None

**Schools:** MO **Grade Level:** 11-12 **Term:** Year **Course Code:** 1680 **A-G: N/A**

## **FORENSIC SCIENCE**

The Forensic Science course will survey key topics in forensic science including the application of the scientific process and principles of crime investigation, physical and trace evidence, and the law and courtroom procedures from the perspective of the forensic scientist.

**Prerequisite:** None

**Schools:** MO                      **Grade Level:** 9-12      **Term:** Year      **Course Code:** 4750      **A-G:** N/A

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## **FOUNDATIONS OF MEDICAL ASSISTANT, BILLING AND CODING**

Administrative Medical Assistants perform routine administrative tasks to keep the offices and clinics of physicians, podiatrists, chiropractors, and optometrists running smoothly. They are also utilized within the hospitals as Registrars, Patient Advocates, and/or Unit Secretaries. This course consists of two components, Theory and Community Classroom. In theory, students will learn Medical Terminology, Safety, Screening and Appointments, Computers, Medical Office Emergencies and CPR, Introduction to Medical Insurance, ICD-9 and CPT Billing/Coding, Performance Improvement, Medical Office Receptionist, Medical Office Records, Medical Office Finances, Medical Office Management and will also participate in a series of Job Readiness Workshops. At the conclusion of this program, students will have obtained knowledge and experience in the specific area and will now be prepared for entry level positions and/or enroll in a post-secondary education.

**Prerequisite:** None

**Schools:** TW                      **Grade Level:** 11-12      **Term:** Year      **Course Code:** 7854      **A-G:** N/A

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## **GEOGRAPHY-HEALTH**

This course will be broken up into two semester units. One semester will cover Health and the other will cover Geography. The purpose of the Health portion of this course is to teach students about important health issues that are plaguing society today. This course will review topics such as STD/AIDS Prevention, pregnancy prevention, depression, suicide, bullying and substance abuse. The second semester of this course will focus on geography.

**Prerequisite:** None

**Schools:** TW                      **Grade Level:** 9              **Term:** Year      **Course Code:** 5500      **A-G:** N/A

## **HEALTH CAREERS EXPLORATION**

Health Careers Exploration is a survey course designed to introduce students to a broad spectrum of health careers. The course covers careers from the five pathways: diagnostic services, therapeutic services, health informatics, support services, and biotechnology research and development. Students examine the main tasks and challenges of professionals in that career, the treatments they administer, and the interaction those professionals have with other professionals. Students learn about the educational requirements and the employment and salary outlook for each career, and they evaluate how their own skills, abilities, and interests align with different careers. Students in this class will also be involved with work-based learning experiences including guest speakers, tours and a culminating project involving professionals in the industry. This course is part of the National Academy Foundation coursework for academies dealing in the health sciences. It is also a requirement for completion of the TWHS PreMedical Academy.

**Prerequisite:** Enrollment in TWHS PreMed Academy

**Schools:** TW                                      **Grade Level:** 9                      **Term:** Year                      **Course Code:** 7842                      **A-G:(g)**

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## **INTRODUCTION TO HEALTH OCCUPATIONS**

Health Occupations prepares the students with tools to research within the healthcare field. Students who have successfully completed this course have acquired skills to compete for entry-level employment, adapt to changing roles, and possess knowledge necessary for upward mobility in careers and education in the healthcare arena. Units of instruction will include career awareness, ethics and legal issues, patient rights, standard precautions, medical terminology, environmental, personal and patient safety, vital signs, basic nutrition, basic anatomy/physiology, weight/measures, communication, body mechanics, observation/documentation, human growth/development, test taking strategies and specific hands on job training skills under the supervision of the instructor.

**Prerequisite:** None

**Schools:** TW                                      **Grade Level:** 11-12                      **Term:** Year                      **Course Code:** 7850                      **A-G: N/A**

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## **INTRODUCTION TO ELECTRICIAN TRAINING**

This is the first course in a series of state-approved Electrician Training classes. Topics include basic safety, math, tools, blueprints, and rigging. NCCER Modules 1-16.

**Prerequisite:** None

**Schools:** ACHS    **Grade Level:** 11-12    **Term:** Semester    **Course Code:** 7842 COS Dual Enrollment

## **JOURNALISM/NEWSPAPER**

This course is designed to provide the student with a general knowledge of journalism writing, an understanding of the legal and ethical issues of journalism, and an opportunity to have his or her work published regularly in the school newspaper.

**Prerequisite:** Grade of “B” or better in previous English course or Grade of “C” with a teacher recommendation

**Schools:** TU, TW, MO      **Grade Level:** 9-12      **Term:** Year      **Course Code:** 1660      **A-G:(g)**

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## **JOURNALISM/YEARBOOK**

This course presents students with real-world publishing experience in producing the yearbook. The yearbook is a large, hardcover book published annually chronicling school history for more than a century. Class members learn and practice all areas of publishing, including photojournalism, writing, editing, design, advertising, layout and distribution. Students are taught how to use professional quality cameras, computers and software in a cooperative effort to create and publish the yearbook.

**Prerequisite:** Teacher recommendation

**Schools:** TU, TW, MO      **Grade Level:** 9-12      **Term:** Year      **Course Code:** 1650      **A-G:(g)**

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## **LEADERSHIP**

This course provides students with hands-on experience in student government as they acquire leadership skills that can be applied to any group setting. Students are continuously involved in a wide variety of extracurricular activities.

**Prerequisite:** Student body election of Executive Council/interviews conducted by Executive Council/application approved by leadership advisor

**Schools:** TU, TW, MO      **Grade Level:** 11-12      **Term:** Year      **Course Code:** 8320      **A-G: N/A**

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## **LIBRARY SCIENCE**

This course offers general knowledge of and training in library science. Its scope involves library media management; information skills instruction; familiarity with print, media, and electronic resources; materials preparation; customer service and promotion of the library media program. Students contribute to the maintenance, instruction, and development of the library media center.

**Prerequisite:** Interview with Library media teacher

**Schools:** TU, TW, MO      **Grade Level:** 11-12      **Term:** Year      **Course Code:** 6380      **A-G: N/A**

## **LINK CREW**

Link Crew is designed to provide students with a hands-on experience in student activities. At the same time, students will learn leadership skills that can be applied to any group setting. The students are continuously involved in a wide variety of extracurricular activities.

**Prerequisite:** Minimum 2.5 GPA, Petition Packet, Approval from Parent, Assistant Principal, and Activities Director, Interview, teacher recommendation

**Schools:** TU, TW, MO      **Grade Level:** 10      **Term:** Year      **Course Code:** 8250      **A-G:** N/A

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## **LINK CREW TUTOR**

Link Crew is a structured, school community-building program in which students learn to make real connections with each other. Built on the belief that students can help students succeed, Link Crew trains members of the junior and senior class to be Link Leaders. Leaders must have a 2.0 GPA in academics and citizenship to be qualified. As positive role models, Link Leaders are motivators, leaders and teachers who guide freshmen, and new students, to discover what it takes to be successful in high school. Every freshman English class of 20 students will have a Link Tutor placed in that classroom to provide additional support and encouragement. These tutors make a commitment to students before school, during lunch and after school for any freshman that needs additional academic support.

**Prerequisite:** Academic Success, School Involvement, and teacher recommendations are all considered by Link Crew Advisors when choosing tutors

**Schools:** TU      **Grade Level:** 11-12      **Term:** Year      **Course Code:** 8245      **A-G:(g)**

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## **MEDICAL ESSENTIALS**

This is a Pre-Medical Academy Course designed for students to apply their previous learning about anatomy and physiology by integrating Health Occupation Student Alliance (HOSA) activities, medical terminology, legal and ethical concepts, health occupation and complete an internship. There are also guest speakers integrated into this course. Students will also complete their Culminating Senior Project.

**Prerequisite:** Completion of 3 years in the TWHS PreMedical Academy

**Schools:** TW      **Grade Level:** 10      **Term:** Year      **Course Code:** 7856      **A-G:** N/A

## **MOCK TRIAL**

Students will receive a comprehensive education concerning the judicial branch of the government and the legal system of the United States, Students Will learn, practice, and perform courtroom procedure for both civil and criminal cases, develop character, write and perform direct examination, cross examination, opening statements, closing arguments, and explore an exhaustive variety of of constitutional issues. Students will develop their own trial strategies and compete in small groups against other schools. Finally, students will learn the California Evidence code and practice objections in various courtroom situations.

**Prerequisite:** None

**Schools:** MO                      **Grade Level:** 9-12      **Term:** Year      **Course Code:** 1682      **A-G:** N/A

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## **MUSTANG ACADEMY**

Mustang Academy is a support system for at-risk sophomores who need additional tutoring and encouragement in order to succeed. This course teaches study skills and organization skills, as well as provides tutors and mentors to support students who struggle in school. Students sign behavior and academic contracts and are rewarded when they reach their goals. Students will work through *The Seven Habits of Highly Effective Teens*, as well as, *The Toughest Decisions Teens Make*. Students are required to do routine binder and academic progress sheets, as well as communicate more with parents as to their performance in grades and attendance. Grades are based on attendance, binder checks, progress report signatures, behavior checks, tardy and referral avoidance and attitude.

**Prerequisite:** Determined by administration

**Schools:** TW                      **Grade Level:** 10      **Term:** Year      **Course Code:** 8330      **A-G:** N/A

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## **MUSTANG ACADEMY MENTOR**

An Academic Mentor is a high school junior/senior with a desire to help academically “at- risk” students at Tulare Western High School. Students who are accepted into this program as Academic Mentors will be enrolled in a Mustang Academy class, earning 5 elective credits each semester. In this class, Academic Mentors work on a daily basis with students doing the following: assisting with homework assignments, completing projects, preparing for tests, developing organizational/study skills, and providing leadership through example.

**Prerequisite:** GPA of 2.8 or higher, no “D’s” or “F’s”, excellent attendance, seniors must be meeting all graduation requirements

**Schools:** TW                      **Grade Level:** 11-12      **Term:** Year      **Course Code:** 8330      **A-G:** N/A

## **NURSE ASSISTANT TRAINING PROGRAM (NATP)**

The Nurse Assistant performs routine tasks in the general care of hospital, clinic, and nursing home patients/clients. The Certified Nursing Assistant is an important member of the healthcare team, who works under the direction of licensed nursing/medical staff, providing patient centered nursing care. The Nursing Assistant Training Program at Tulare Western is a pre-certification training program. The model curriculum used is Nurse Assistant Training and Assessment Program (NATAP), developed and published under contract with the State of California, Chancellor's Office, this course prepares the student for the National Nurse Aide Assessment Written/Oral Examination which upon passing both written and skills will provide certification to become Certified Nursing Assistant.

**Prerequisite:** Health Occupations

**Schools:** TW                      **Grade Level:** 12                      **After School**    **Course Code:** 7900    **A-G:** N/A

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## **NURSING ESSENTIALS / Pre-LVN**

This course will have an emphasis on the Pre-LVN requisites. This course will provide students with tools to research and opportunity for hands on experiences or extensive job shadowing in therapeutic services within the healthcare field. Students who have successfully completed this course have acquired skills to compete for employment, adapt to changing roles, and possess knowledge necessary for upward mobility in careers and education in the healthcare arena. Units of instruction will include career awareness, ethics and legal issues, patient rights, standard precautions, medical terminology (75 hrs), environmental, personal and patient safety, vital signs, nutrition (50 hrs), anatomy (75 hrs), physiology, medical math (75 hrs), study skills (25 hrs), communication, body mechanics, first aid/CPR, observation/documentation, growth/development, and specific job training skills. After proper orientation, students in Essentials of Nursing will be assigned duties that involve hands on experiences in healthcare settings they have shown an interest in pursuing.

**Prerequisite:** None

**Schools:** TW                      **Grade Level:** 12    **Term:** Year (2 period block)                      **Course Code:** 7852  
**A-G:** N/A

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## **OFFICE AIDE**

This course provides entry level experience to students interested in an office support position. Students increase their clerical and technical proficiencies, as well as verbal and written communication and public relations skills. While learning to be service-oriented, students perform office tasks such as answering phones, greeting the public upon entrance to the office, keyboarding, data entry, sorting and filing, recordkeeping, copying, and duties or errands as directed by the administrator or secretarial supervisor. Students are expected to have a positive and helpful attitude, be reliable, punctual, efficient, independent and confidential with sensitive issues that arise.

**Prerequisite:** 2.0 GPA, great attendance, counselor or teacher recommendation

**Schools:** TU, TW, MO    **Grade Level:** 11-12    **Term:** Year    **Course Code:** 6390-6394    **A-G:** N/A

### **PERSONAL HEALTH**

The purpose of this class is to help students understand how important it is to care for themselves properly. In this course, students will learn about personal hygiene, stress management, nutrition, physical fitness, substance abuse, diseases (and prevention) and First AID/CPR. Emphasis on proper-decision-making will be given to the student throughout the course in order for him/her to be informed about the consequences of high-risk behavior.

**Prerequisite:** None

**Schools:** TW                                    **Grade Level:** 9-12    **Term:** Year    **Course Code:** 7120    **A-G:** N/A

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### **POLICE SCIENCE**

This course will acquaint high school students with all aspects of our criminal justice system, as well as the various law enforcement roles and career opportunities in contract and private security services. Course curriculum includes, but is not limited to, history, criminal law, process, theories, report writing, evidence collection and preservation, search and seizure, interrogation, custody, traffic enforcement and investigation, juvenile law, the welfare and institution code, patrol tactics, and public relations. The six pillars of character will be emphasized through different classroom assignments, as they relate to the moral, legal and ethical use of law enforcement. Students learn to work collaboratively in small groups to develop a unified solution to problems using critical thinking, communication and, both verbal and nonverbal and conflict management skills. The student who successfully completes this course has a better understanding of the role of law enforcement in society and the duties and responsibilities of a peace officer.

**Prerequisite:** None

**Schools:** TU                                    **Grade Level:** 11-12    **Term:** Year    **Course Code:** 7910    **A-G:** N/A

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### **ENGINEERING PRINCIPLES**

The purpose of this course is to expose student to some of the major concepts they will encounter in a postsecondary engineering course of study. Students will have an opportunity to investigate engineering and high tech careers. It gives students the opportunity to develop skills and understanding of course concepts through activity, project and problem based learning. Students will use a combination of teaming approaches and learning challenges to continually refine their interpersonal skills, creative abilities and problem solving skills based on engineering concepts. Students will employ engineering and scientific concepts in the solution of engineering design problems. They will develop problem-solving skills and apply their knowledge of research and design to communicate their solutions to their peers and members of the professional community.

**Prerequisite:** Engineering Pathway second year course

**Schools:** MO                                    **Grade Level:** 10-12    **Term:** Year    **Course Code:** 7985    **A-G:**(g)

## **PRINCIPLES OF STEM**

This course will utilize scientific research and engineering technologies along with science concepts to construct and test STEM based projects against scenarios that occur in real life. Projects will move from well-defined to more inquiry based that will rely on critical thinking skills to develop designs to better accomplish tasks. This course is intended to stimulate students' ingenuity, intellectual talents, and practical skills in devising solution to engineering design problems in a project-based learning environment. Students will use the engineering design process cycle to investigate, design, plan, create and evaluate solutions.

**Prerequisite:** None

**Schools:** TU                      **Grade Level:** 9-12      **Term:** Year      **Course Code:** 5520      **A-G:(g)**

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## **AP PSYCHOLOGY**

AP psychology is a college level introduction to psychology course. This course covers 14 topics all of which will be tested on the AP exam. Students are expected to read the textbook, write, study for exams, participate in class discussions, and conduct several types of research throughout the year. This class utilizes technology and students will be expected to work in groups doing project based learning. Students should expect to spend at least three to four hours a week studying for this course. Students are expected to take the AP exam at the end of the year.

**Prerequisite:** None

**Schools:** TU, TW, MO              **Grade Level:** 11-12      **Term:** Year      **Course Code:** 2525      **A-G:(g)**

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## **RECONNECTING YOUTH (RY)**

Reconnecting Youth is designed to provide students with the tools and skills to improve academically, socially, behaviorally, and emotionally. Students are continuously involved in goal setting and personal improvement activities

**Prerequisite:** Assistant Principal and Teacher recommendation

**Schools:** TU, TW, MO              **Grade Level:** 9              **Term:** Year      **Course Code:** 8255      **A-G: N/A**

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## **SPEECH**

Speech gives students an opportunity to understand and practice communication skills in both small group discussions and activities and in formal and informal individual presentations before the entire class. Speech students develop poise and self-confidence when speaking before audience.

**Prerequisite:** None

**Schools:** TU, MO                      **Grade Level:** 9-12      **Term:** Year      **Course Code:** 1570      **A-G:(g)**

## **SPORTS WRITING AND LITERATURE**

Sports Writing and Literature is a writing-intensive class that teaches journalistic approaches to writing. Students will also write formal essays on sports-themed topics that are contemporary and worth analysis. As a class, we will also be reading a variety of expository texts that we will analyze for style, theme and rhetoric. Our class will also be reading and analyzing core literature. Students will be expected to attend at least five sports outings a semester and be able to report, using the correct format. Sports topics and themes will change as the sports seasons change. Also, some sports topics will arise as the headlines arrive. Sports is an entity that changes and the class' topics will reflect as such. The arranged topics and themes for the class are included in the key assignments, text and supplemental instructional materials portion of the application.

**Prerequisite:** None

**Schools:** MO                      **Grade Level:** 11-12    **Term:** Year    **Course Code:** 1685    **A-G:** N/A

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## **STAGE TECHNOLOGY/DESIGN**

Students enrolled in this one-year stage technology/design course will have a hands on experience with all technical aspects of theatre. Instructional emphasis will be placed on the creation, evaluation, adaptation, interpretation, and critiquing of the technical aspects of theatre. Students will learn the functions of the creative team, production staff, technicians and stage crew. With the use of production facilities available to them, students will learn the basic elements of scenic construction and design concepts, theatrical lighting, sound technologies, costume (sewing and costume concepts), theatrical makeup and design. Students will also gain hands-on experience as directors, stage management and the business aspects of theater. The students will be working closely with our local community theater as well as our own school productions.

**Prerequisite:** None

**Schools:** MO                      **Grade Level:** 10-12    **Term:** Year    **Course Code:** 6750    **A-G:** N/A

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## **STUDENT SUCCESS**

This course will provide the student with an opportunity to learn and adopt techniques, tool, and methods that will enhance his/her success in college. In addition, this course will highlight key strategies for improving a student's understanding of personal responsibility and self-management.

**Prerequisite:** None

**Schools:** ACHS    **Grade Level:** 11-12    **Term:** Semester (COS Dual Enrollment)    **Course Code:** 8285

## **TEACHER'S AIDE**

This course is designed to prepare students for career options in education. Students develop entry level skills as they interact and carry out classroom responsibilities with teachers and students. Observation of classroom management, lesson plan deployment, different learning styles, and participation in instructional strategies, as well as performing routine clerical and technical tasks will develop their interest and ability to work in education. Students perform tasks as assigned by the instructor including keyboarding, data entry, sorting and filing, recordkeeping, copying and other duties or errands necessary to accomplish the daily goals for the class.

**Prerequisite:** 2.0 GPA, great attendance, counselor recommendation and teacher approval

**Schools:** TU, TW, MO      **Grade Level:** 11-12      **Term:** Year      **Course Code:** 8300      **A-G:** N/A

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## **TRIBAL COUNCIL**

This course is designed to teach the process of helping another person through peer assistance leadership. Through active participation, students master skills dealing with personality fitness, the development of self-esteem and self-worth, listening skills, self-help skills and conflict mediation. Students will actively engage in one-to-one helping relationships. Students will take on leadership roles in peer mediation, conflict resolution, team building and outreach, as well as other interpersonal roles to advise, tutor, and create a positive environment on campus.

**Prerequisite:** Counselor recommendation

**Schools:** TU      **Grade Level:** 10      **Term:** Year      **Course Code:** 8225      **A-G:** N/A

# RESOURCE (Special Education)

## PRACTICAL ALGEBRA 1

This class is designed for the resource student that requires more instruction in mathematics before entering a regular algebra program. This class reviews basic arithmetic concepts while introducing algebra concepts in a step-by-step approach.

**Prerequisite:** IEP

**Schools:** TU, TW, MO      **Grade Level:** 9      **Term:** Year      **Course Code:** 9395      **A-G:** N/A

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## PRACTICAL MATH

This course is for RSP high school students that require more instruction in mathematics before entering a regular algebra program. This class reviews basic arithmetic concepts while introducing algebra concepts in a step-by-step approach. The purpose of this course is to provide students with special needs with a curriculum and activity level that meets their needs. This class is set up as a Pre-Algebra class, helping prepare students for Algebra. Successful completion of this course meets one year of the Mathematics requirement for graduation.

**Prerequisite:** IEP

**Schools:** TU, TW, MO      **Grade Level:** 11-12      **Term:** Year      **Course Code:** 9390      **A-G:** N/A

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## PRACTICAL GOVERNMENT

This one-semester course provides an alternate means to achieve an American Government course credit, using content area materials to target reading and/or writing IEP goals and objectives. Students will focus on understanding the functions of the U.S. government through individualized pacing and group instruction. They will be exposed to various events, time frames, and concepts pertaining to American federal, state and local government, as well as other world governments beginning with the “Enlightenment Period” up to present day. They will learn how our government is organized and how past events, policies, political parties, and philosophies impact today’s America. Students have the opportunity to develop skills in research, note-taking, organization, critical thinking, and public speaking.

**Prerequisite:** IEP

**Schools:** TU, TW      **Grade Level:** 12      **Term:** Semester      **Course Code:** 9370      **A-G:** N/A

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## PRACTICAL ART

This course provides an alternate means to achieve a Fine Art course credit. Instruction is provided in basic art principles and techniques. Students will learn color theory, develop skills in drawing, painting, composition and 2 & 3 dimensional design. They will create a variety of art projects using step-by-step instruction during each 6-week grading period, as well as complete a vocabulary notebook and an artist biography notebook. This course promotes fine motor development and encourages creativity. Students learn to appreciate art and enjoy art as a leisure activity.

**Prerequisite:** IEP

**Schools:** TU      **Grade Level:** 9-12      **Term:** Year      **Course Code:** 9430      **A-G:** N/A

## **PRACTICAL ECONOMICS**

This one-semester course provides an alternate means to achieve an Economics course credit, using content area materials to target reading and/or writing IEP goals and objectives. The course instructs students in understanding the basic principles and concepts of, as well as the vocabulary associated with, our economic system. They will study how economics incorporates into American government, and the governments of other countries to better understand global economics. The curriculum further encourages students to gain knowledge of economic principles for use in their everyday lives. Specific units are production, supply and demand, the stock market, credit, banking, personal income, the government and its economy, and major economic problems in the United States.

**Prerequisite:** IEP

**Schools:** TU, TW      **Grade Level:** 12      **Term:** Semester      **Course Code:** 9380      **A-G:** N/A

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## **PRACTICAL ENGLISH SERIES (1-4)**

These courses provide an alternate means to achieve course credit in English, using content area materials to target reading and/or writing IEP goals and objectives. All Practical English courses are designed to prepare students for the California High School Exit Exam, and to improve basic reading and writing skills. The classes include a systematic focus on active reading strategies, reading comprehension, writing, grammar and an appreciation of literature. The teacher utilizes a variety of instructional materials and students are exposed to many genres of narrative and expository texts. They read short stories, novels, self-selected books, drama, poetry, functional texts and vocational content area textbooks.

**Prerequisite:** IEP

**Schools:** TU, TW, MO      **Grade Level:** 9-12      **Term:** Year      **Course Code:** 9305-9341      **A-G:** N/A

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## **PRACTICAL LIFE/PHYSICAL SCIENCE**

Practical Science focuses on general concepts and includes one year of life science and one year of physical science. This course meets the science graduation requirements.

**Prerequisite:** IEP

**Schools:** TU, TW      **Grade Level:** 10-12      **Term:** Year      **Course Code:** 9400-9410      **A-G:** N/A

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## **PRACTICAL WORLD HISTORY/US HISTORY**

Practical Social Studies offers a four-year curriculum that includes geography, world history, US history, government and economics. Specific emphasis is placed on research skills, oral reports, written reports, and study skills. The course is aligned to the California state standards and meets graduation requirements.

**Prerequisite:** IEP

**Schools:** TU, TW      **Grade Level:** 9-12      **Term:** Year      **Course Code:** 9350-9360      **A-G:** N/A

## **PRACTICAL STUDY SKILLS**

This course focuses on IEP goals in organizational, behavior, social skills, executive functioning as well as addressing post-secondary goals through guidance to develop work skills for career planning. Students receive individualized assistance to facilitate completion of their general education assignments and life skills (attendance, punctuality, organization, responsibility, attitude, and effort) are addressed. Students learn to improve study skills such as time management, goal-setting, self-monitoring, communication, note-taking, test-taking, textbook usage, writing and editing.

**Prerequisite:** IEP

**Schools:** TU, TW, MO      **Grade Level:** 9-12      **Term:** Year      **Course Code:** 9420      **A-G:** N/A

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## **PRACTICAL VOCATIONAL ED.**

The students who are enrolled in this class will work in Tulare Western High School's Student Store. The store is located on campus in the 600 building. The students in this class are responsible for the management and maintenance of the store. The class is part of the Resource Department's Practical classes. Tulare Western High School's Resource Department utilizes this class to enhance employability and independent of their students with special needs. Students will also work on completing applications. The students will also work on their Individualized Educational Plan's Transitional Goal.

**Prerequisite:** IEP

**Schools:** TU, TW      **Grade Level:** 9-12      **Term:** Year      **Course Code:** 9440      **A-G:** N/A

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## **PRACTICAL WORK EXPERIENCE**

Enrollment in the Special Education program. Juniors and Seniors may enroll in this class if they meet the following criteria: (1) they are part of the RSP program; (2) they are employed; and (3) there is room in their schedule for 2 periods of elective credit. In this course, there is no classroom component, as students earn credit for the skills they are acquiring on the job. Job performance is monitored by the teacher and vocational specialist, and grades are given by the employer, based on job performance.

**Prerequisite:** Student must have a job in order to enroll in this class

**Schools:** TU, TW      **Grade Level:** 11-12      **Course Code:** 9450      **A-G:** N/A

# TULARE JOINT UNION HIGH SCHOOL DISTRICT LINKED LEARNING CAREER PATHWAYS



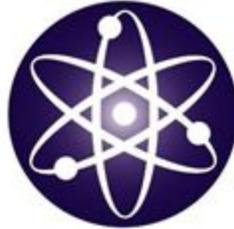
- **Small Learning Communities**
- **College Preparation**
- **Career-Theme Focus**
- **Academic Rigor Blended with Technical Relevance**
- **Project-Based/Hands-On Learning**
- **Work-Based Learning Opportunities**



In partnership with:



## Academy of Engineering



Science

## Academy of Engineering (AOE)

**If you love math and science, the Academy of Engineering is for you!**

Students in the Engineering pathway will begin building their understanding of the fundamental laws of engineering through cutting-edge design and hands-on, computer-generated prototypes that lead to the development of fully functional products.

AOE electives include:

- **Introduction to Engineering Design**
- **Principles of Engineering**
- **Digital Electronics**
- **Engineering Design and Development**



## **Pre-Med Academy**



### **Pre-Med Academy (PMA)**

**Do you dream of being a doctor or helping people  
in the field of health?  
This is where you belong!**

The Pre-Med Academy is the premier health sciences pathway that allows students to explore the many professional careers in the medical field. The Pre-Med pathway incorporates Honors and Advanced Placement math and science courses, as well as electives that include:

- **Health Careers Exploration**
- **Biotechnology**
- **Human Biology**
- **Medical Essentials**
- **Internship at a local health care facility**



## Arts, Media, and Entertainment (AME)

Are you aspiring to pursue a career in the arts or filmmaking?

**Welcome to the world of art!**

Students in the Academy of Arts prepare for college and career through projects and presentations highlighting student's love of visual art, performing art, and computer generated art. Students are given educational opportunities through museums, plays, college mentors, and business partnerships from the community.

AME courses include:

- 3D Art
- Drama
- Film Arts
- Advanced Art Concepts

Academy of Engineering



Science

Pre-Med Academy



## Tulare Joint Union High School Career Academy Sequence of Courses

### Art, Media & Entertainment Academy

	9th Grade	10th Grade	11th Grade	12th Grade
<b>CTE Course</b>	3D Art	Drama	Film Arts	Advanced Art Concepts
<b>English</b>	English 1	English 2	English 3	English 4
<b>Social Studies</b>	Science	World History	U.S. History	Econ/Govt

### Pre-Med Academy

	9th Grade	10th Grade	11th Grade	12th Grade
<b>CTE Course</b>	Health Careers Exploration	Biotechnology	Human Biology	Medical Essentials
<b>English</b>	Honors English 1	Honors English 2	AP English 3	AP English 4
<b>Math</b>	Algebra (or Honors Algebra)	Geometry (*or Honors Geometry)		
<b>Science</b>	Honors Biology	Chemistry	Physics (or AP Physics)	AP Biology or AP Psychology

### Engineering Academy

	9th Grade	10th Grade	11th Grade	12th Grade
<b>CTE Course</b>	Introduction to Engineering Design	Principles of Engineering	Digital Electronics	Engineering Development Design
<b>English</b>	English 1	English 2	English 3 or AP English Comp	AP English 4 or AP English Literature
<b>Math</b>	Honors Algebra 1	Honors Geometry	Honors Algebra 2	Pre-Calculus or Calculus AB
<b>Science</b>	Biology	Chemistry	Physics	AP Chemistry