

# *CULLEOKA UNIT SCHOOL CURRICULUM GUIDE*



*HOME OF THE WARRIORS*

*2020-2021*

# Culleoka Unit School

School Hours: 7:00 a.m. – 3:00 p.m.

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[www.culleokaschool.com](http://www.culleokaschool.com)

## Administrative Team

Ms. Penny Love, Principal

Mr. Ken Harris, Assistant Principal

Mrs. Mallory Hubbell, Assistant Principal

Mrs. Alison Reischman, High School Counselor

## **Mission**

The mission of Culleoka Unit School is to work together to foster a love of learning so that all students can learn and grow into successful community members.

## **Vision Statement**

The vision of Culleoka Unit School is to ensure high levels of learning for all through:

- Collaboration
- Data driven instruction
- Seeking & implementing effective strategies for continuous learning
- Maintaining a positive attitude
- Making connections & building relationships with our students

## **Ready Graduate**

Culleoka is committed to partnering with parents and guardians to prepare students for a successful transition into postsecondary education and the opportunity to secure high-quality employment. We celebrate each student's hard work towards being better prepared for life after high school. The Tennessee Department of Education sets graduation requirements that best prepare students for opportunities to be successful post-high school whether they choose college, technology schools, military, or immediate transition to the work force. **Students who meet one of the following criteria demonstrate they are a “Ready Graduate:”**

- Scoring 21 or higher on the ACT or
- Completing 4 EPSOs or
- Completing 2 EPSOs + earning industry certification or
- Completing 2 EPSOs + ASVAB designated score

An EPSO is an **early post-secondary opportunity**- a course and/or exam that gives students a chance to obtain postsecondary credit while still in high school. Culleoka Unit School offers three types of EPSO classes: Statewide Dual Credit, Dual Enrollment, and Capstone Industry Certification-Aligned. In addition to meeting State graduation requirements, our goal is for students to be “Ready Graduates” who have the skills and confidence required for success after high school.

## Advanced Placement

Advanced Placement (AP) is a program which offers college-level curricula and examinations to high school students. Taking AP courses builds the skills needed throughout the college years. They provide a rigorous mental workout and stretch time management and study skills. In an AP class, students gain the skills and confidence to handle challenging issues and problems with the support of the high school AP teacher. Most colleges and universities nationwide offer college credit, advanced placement, or both for qualifying AP exam scores.

The estimated cost of an AP exam is \$94. (See your counselor with questions regarding financial assistance.) Per the Statewide Uniform Grading Policy, five points are added to the grade. Students must sit for the AP Exam in order to receive the five additional points. The following AP classes are offered at Culleoka:

English	AP English Language and Composition
Foreign Language	AP Spanish Language and Culture
Math	AP Calculus
Sciences	AP Biology
Social Studies	AP Human Geography AP United States History AP World History

## Statewide Dual Credit

A Statewide Dual Credit Course is a high school course that incorporates postsecondary learning objectives and is aligned with an approved dual credit challenge exam. There is no charge, and all students are required to take the online challenge exam. Students who pass the challenge exam receive “transcribed” credit upon enrollment at any Tennessee public postsecondary institution. Statewide Dual Credit is funded by the State and does not affect a student’s Dual Enrollment grant funds. Per the Statewide Uniform Grading Policy, four points are added to the grades of students taking the challenge exam. The following Statewide Dual Credit courses are offered at Culleoka: SDC Criminal Justice, SDC Speech and Communication, SDC Psychology, SDC Sociology, SDC Pre-Calculus, SDC Probability and Statistics, SDC U.S. History, SDC World History.

## Capstone Industry-Aligned Certification Classes

The programs of study for career and technical education (CTE) culminate in opportunities for industry certifications, work-based learning experiences, and/or early postsecondary opportunities (EPSOs). CTE course standards align to industry-recognized certifications. Capstone industry certifications count for postsecondary credit at Tennessee Colleges of Applied Technology (TCATs) and can transfer clock hours to TCATs and community colleges that offer these certifications.

At Culleoka, the following program of study has a capstone industry certification-aligned course: Nursing Education (Certified Nursing Assistant.)

## Dual Enrollment at CUS

The Tennessee Colleges of Applied Technology (TCATs) at Hohenwald and Pulaski offer Dual Enrollment courses at Culleoka that are taught by Culleoka teachers. Students earn hours toward an industry certification or diploma through the TCAT while also earning high school credit. These courses also may count toward a Focus Area for graduation purposes.

The following Dual Enrollment TCAT course are available to juniors and seniors: DE Accounting; DE Accounting II, DE Financial Planning.

Culleoka staff facilitate enrollment in classes offered at CUS. Dual Enrollment in a TCAT class taught at CUS is funded by the student's Dual Enrollment Grant.

**Early Post-Secondary Opportunity: Dual Enrollment at Columbia State Community College**  
Dual Enrollment (DE) allows high school juniors and seniors to enroll in Columbia State Community College (CSCC) classes and receive both college credit and high school credit for these classes. The courses below are approved for dual enrollment for college and high school credit. **See your school counselor for approval before enrolling in other classes.**

CSCC	Description	Prerequisite	Meets
ENGL 1010	English Composition I	ACT Reading 19; English 18	English III or IV
ENGL 1020	English Composition II	ENGL 1010	English III or IV
ENGL 2130	Topics in American Literature	ENGL 1020	English III or IV
ENGL 2235	Topics in British Literature	ENGL 1020	English III or IV
ENGL 2310	Early World Literature	ENGL 1020	English III or IV
ENGL 2320	Modern World Literature	ENGL 1020	English III or IV
MATH 1130	College Algebra	ACT Math 19	Senior Math
MATH 1530	Introductory Statistics	ACT Math 19	Senior Math
MATH 1630	Finite Mathematics	ACT Math 21	Senior Math
MATH 1910	Calculus I	ACT Math 23 plus with 4 yrs. HS Math	Senior Math
BIOL 1110	General Biology I and Lab	ACT Reading 19; English 18; Math 19	Biology
PHYS 2010	Non Calculus Physics I	MATH 1710	Physics
CHEM 1110	General Chemistry I	ACT Reading 19; English 18; Math 19	Chemistry
PHYS 2020	Non Calculus Physics II	PHYS 2010	Physics
BIOL 2010	Human Anatomy & Physiology I	ACT Reading 19; English 18; Math 19	Third Lab Science
HIST 2320	Modern World History	ACT Reading 19; English 18; Math 19	World History
HIST 2020	Modern United States History	ACT Reading 19; English 18; Math 19	U.S. History
POLS 1030	American Government	none	Government
ECON 2100	Principles of Macroeconomics	none	Economics
ECON 2200	Principles of Microeconomics	none	Economics
ART 1035	Introduction to the Arts	none	Fine Arts
ARTH 2000	Art History Survey I	none	Fine Arts
ARTH 2020	Art History Survey II	Art History Survey I	Fine Arts
MUS 1030	Introduction to Music	ACT Reading 19; English 18	Fine Arts
COMM 2025	Fund of Speech Communication	ENGL 1010 or ACT English 25	Fine Arts
THEA 1030	Introduction to Theatre	none	Fine Arts
PHED 2220	Introduction to Exercise Science	ACT Reading 19; English 18; Math 19	P.E.
PHED 2120	Essential Lifetime Wellness	none	Wellness
BUSN 1300	Personal Finance	none	Personal Finance
PSYC 1030	Introduction to Psychology	ACT Reading 19; English 18	Humanities Elective
SOCI 1010	Introduction to Sociology	none	Humanities Elective

Cost of enrollment may be covered through the DE Grant program funded by the Tennessee Lottery and administered by the Tennessee Student Assistance Corporation (TSAC). The award amounts are as follows: \$500 for the first course; \$500 for the second course; \$200 for the third course; and no award for the fourth course. Any balance for a class above the grant amount is the responsibility of the student. There may be additional fees/supplies required for a class that is the responsibility of the student.

### Steps to enrollment (**Access all forms online at CSCC dual-enrollment.**)

1. Go to [columbiastate.edu](http://columbiastate.edu) and complete the DE Application and the DE Grant Application. (If first time for the grant, create a TSAC account.)
2. Print and complete the CSCC DE Consent Form. Take the Consent Form to your counselor and request that it be sent to CSCC along with your transcript and ACT scores. (**Students who have participated in DE through a TCAT must also send a TCAT transcript directly from the TCAT to CSCC.**)
3. After you receive your CSCC log-in, register for CSCC classes. (There are prerequisites for many courses.) CSCC class times may not conflict with your CUS schedule.
4. Take a copy of the CSCC Student Detail Schedule to your counselor for the class to be included in your CUS schedule.
5. Notify your school counselor before dropping a class. Failure to do so may result in the denial of future requests to participate in Dual Enrollment.
6. For each subsequent semester, reapply for the grant, register for classes, and turn in a copy of the CSCC Student Detail Schedule to your counselor.
7. **See your counselor if you have any questions.**

To stay in the DE program while in high school, a student must maintain a 2.0 GPA in the college courses taken. To remain eligible for the DE Grant, students must maintain at least a 2.75 GPA in their dual enrollment college courses. Additional requirements and restrictions regarding the DE Grant may be viewed at the TSAC website.

### **Honors Classes**

Honors courses are high school courses that provide additional rigor and substantially exceed the academic standards approved by the State Board of Education. Instructional approaches facilitate maximum interchange of ideas among students: independent study, self-directed research and learning, and appropriate use of technology. Honors course include elements such as extended reading assignments, research based writing assignments, and projects that apply course curriculum to relevant or real-world situations. Per the State Uniform Grading Policy, **three points are added to the grades** of students in honors courses.

### **Testing**

- **State Tested Course**

State exams will be administered at the completion of courses as determined by the Tennessee Department of Education. These exams are English I, English II, Biology I, US History & Geography, Algebra I, Geometry, and Algebra II.

- **ACT**

This exam is mandatory for all 11th grade students and is a graduation requirement. It will be given on a state designated school day, and scores are reportable for college admission. For additional test dates go to [www.actstudent.org](http://www.actstudent.org).

- **Civics**

All students are required to take a civics exam prior to graduation.

## **College Athletics**

A student who plans to enroll in college and participate in athletics in an NCAA or NAIA school must be certified by the appropriate eligibility center. Students should apply for certification at the end of the junior year. Athletes and their parents should review the eligibility center websites for classes meeting core requirements to insure they are taking appropriate courses to meet eligibility criteria.

## **CTE Student Organizations**

Professional organizations are an integral part of Career and Technical Education (CTE) classes. These organizations develop leadership characteristics through in-class activities as well as opportunities outside the classroom. Members are eligible to participate in competitive events, community service, professional development, and social activities. To benefit fully from membership, students are strongly encouraged to join the professional organization(s) at the beginning of the school year for their focus area and scheduled CTE classes. Culleoka has the following CTE student organizations:

Agriculture	FFA	Future Farmers of America
Business/Finance	FBLA	Future Business Leaders of America
Criminal Justice		Blue Knights
Health Science	HOSA	Health Occupations Students of America
PLTW	TSA	Technology Student Association

## **Early Graduation**

Seniors with a hardship may apply for early graduation if required courses are available in the fall semester. Applications for early graduation must be submitted to the counselor by May 10 for consideration. See your counselor for an application and further information.

## **Postsecondary Education**

The TN Student Assistance Corporation administers two programs which may provide financial assistance to CUS graduates.

To receive the TN Promise Scholarship, a student meeting residency and citizenship requirements need only complete the online application and FAFSA, attend a mandatory meeting, perform 8 hours community service each term, and participate in a mentoring program. Students who complete the steps receive an award toward tuition and mandatory fees to an eligible postsecondary institution. This means that every high school graduate can attend a community college or Tennessee College of Applied Technology for two years with little out of pocket expense.

The Hope Scholarship is funded by the TN Education Lottery Scholarship Program. Graduates with a 3.0 grade point average or a 21 composite on the ACT are awarded \$1,750 per semester to attend an eligible four-year school or \$1,500 per semester for eligible two-year schools. Awards increase in the junior and senior years. The Hope Scholarship may be used at TN public colleges and universities as well as many TN private colleges.

**Classification of Students**

At the conclusion of each school year, students are classified by grade level for the upcoming school year using the following criteria of total credits earned:

Grade Classification	Year in High School	Units of credit
Freshman Status	First	0 – 4 ½
Sophomore Status	Second	5 - 9 ½
Junior Status	Third	10 - 14 ½
Senior Status	Fourth	15 or more



## 2020/2021 Culleoka High School Course Offerings

<b>Agriculture</b>	
C18H19	Agriscience
C18H12	Principles of Agricultural Mechanics
C18H135	Agricultural Power and Equipment
C18H22	Agricultural and Biosystems Engineering
C18H23	Supervised Agricultural Experience
<b>Banking and Finance</b>	
C12H26	Introduction to Business and Marketing
C12H27	Accounting I
C12H22	Banking and Finance
C12H18	Financial Planning
<b>Criminal Justice and Correction Services</b>	
C15H10	Criminal Justice I
C15H11	Criminal Justice II
C15H12	Criminal Justice III: Investigations
C15H21	Criminal Justice: SDC (EPSO)
<b>English</b>	
G01H09	English I
G01H09H	Honors English I
G01H10	English II
G01H10H	Honors English II
G01H11	English III
G01H11H	Honors English III
G01H17	AP English III: Lang & Comp (EPSO) – 2 credits
G01H13	English IV
G01H13H	Honors English IV
G25H00	ACT Preparation
G01H15	Journalism
G01H02	Journalism II
G01H03	Journalism III
G01H71	Speech and Communication: SDC (EPSO)
<b>Fine Arts</b>	
G05H11	General Music
G05H16	Theater Arts I

G05H17	Theater Arts II
G05H18	Theater Arts III
G05H08	Visual Art I
<b>Foreign Language</b>	
G24H04	Spanish I
G24H05	Spanish II
<b>Health Science Education</b>	
C14H14	Health Science Education
C14H09	Anatomy & Physiology
C14H15	Medical Therapeutics
C14H16	Nursing Education (Industry Cert) <b>NEW!</b>
C14H03	DE Nursing Education (EPSO/Ind Cert) <b>NEW!</b>
<b>Mathematics</b>	
G02H01&G02H02	Algebra I Part 1 and Part 2 (2 credits)
G02H11	Geometry
G02H11H	Honors Geometry
G02H06&G02H07	Algebra II Part 1 and 2 (2 credits)
G02H06H&G02H07H	Honors Algebra II Part 1 and 2 (2 credits)
G02H41	Bridge Math
G02H41S	Bridge SAILS
G02H42	Applied Math Concepts
G02H74	Pre-Calculus: SDC (EPSO)
G02H75	Probability & Statistics: SDC (EPSO)
G02H24	AP Calculus (EPSO) (2 credits)
<b>Project Lead the Way</b>	
C03H09	Introduction to Engineering
C03H07	Principles of Engineering
C13H11	Computer Integrated Manufacturing
<b>Science</b>	
G03H33	Environmental Science
G03H03	Biology
G03H10	AP Biology
G03H12	Chemistry
G03H20	Physics

<b>Social Studies</b>	
G04H10	World History & Geography
G04H74	World History: SDC (EPSO)
G04H11	United States History & Geography
G04HB3	United States History: SDC (EPSO)
G04H30	AP Human Geography (EPSO) – 2 credits
G04H21	AP US History (EPSO) – 2 credits
G04H29	AP World History (EPSO) – 2 credits
G04H36	Personal Finance
G04H13	Economics

G04H12	U.S. Government & Civics
G04HB5	Psychology: SDC (EPSO)
G04H73	Sociology: SDC (EPSO)
C15H13	Service Learning
<b>Wellness</b>	
G08H02	Lifetime Wellness
G08H00	Physical Ed I
<b>Other Classes</b>	
G25H02	TN Student Success
C20H17	Work Based Learning Practicum

## **Agriculture**

**CTE Organization: FFA - Annual Dues \$15**

### **Agriscience - 1 Credit**

This course is an introductory laboratory science course that prepares students for biology, subsequent science and agriculture courses, and postsecondary study. It will help students understand the important role that agricultural science and technology serves in the 21st century.

### **Principles of Agricultural Mechanics - 1 Credit**

**Prerequisite:** Agriscience

This course prepares students for operational procedures for a shop or home environment. Students learn basic skills in areas ranging from welding and electricity to land measuring and plumbing.

### **Agricultural Power and Equipment - 1 Credit**

**Prerequisite:** Principles of Agricultural Mechanics

This course deals directly with agriculture related machines and engine power. Basic agricultural mechanics is reinforced during the practical applications portion of the course.

### **Agricultural and Biosystems Engineering - 1 Credit**

**Prerequisite:** Agricultural Power and Equipment

Agricultural Engineering includes standards on metal fabrication and agriculture structures. Subject matter will include hot/cold metal work, cost and material computation, electrical wiring, engine service and repair, blueprint reading, drawing and selection of appropriate materials for projects.

### **Supervised Agricultural Experience - 1/2 Credit**

**Instructor Approval Required**

A Supervised Agricultural Experience (SAE) is a structured experiential learning opportunity that takes place in a setting outside of regular school hours. SAEs allow students to experience the diversity of agriculture and natural resources industries and to gain exposure to agricultural-related career pathways. **Note: A student may earn 1/2 credit each year, up to a maximum of 2 credits.**

## **Banking and Finance**

**CTE Organization: FBLA - Annual Dues \$20**

### **Introduction to Business and Marketing - 1 Credit**

This is an introductory course designed to give students an overview of the Business management and Administration, Marketing, and Finance career clusters. The students prepare for the growing complexities of the business world by examining basic principles of business, marketing, and finance in addition to exploring key aspects of leadership, ethical and social responsibilities, and careers. Students' academic skills in communications, mathematics, and economics are reinforced with activities modeled in the context of business topics.

### **Accounting I- 1 Credit**

**Prerequisite:** Introduction to Business

This course introduces concepts and principles based on a double-entry system of maintaining the electronic and manual financial records for a sole proprietorship, partnership and corporation. It includes analyzing business transactions, journalizing, posting, and preparing worksheets and financial statements.

\*This class may be offered as Dual Enrollment for Juniors and Seniors.

### **Banking & Finance - 1 Credit**

**Prerequisite:** Accounting I

Banking and Finance is a course designed to challenge the student with real banking and financial situations through a partnership with a local financial institution that would bring resources of mentors, seminars, and hands-on experience with day-to-day operations. Completion of this course will provide students with a basis for secondary education in finance and special job skills in banking and financial institutions. Ethical issues will be presented in the course. \*This class may be offered as Dual Enrollment for Juniors and Seniors.

### **Financial Planning – 1 Credit**

**Prerequisite:** Banking and Finance

*Financial Planning* is the capstone course in the *Banking and Finance* program of study intended for students interested in advanced analysis of financial decision-making and wealth management. In this course, students will delve into advanced concepts related to saving, investment, taxation, and retirement planning, and will be responsible for compiling original portfolios of investment and retirement options to present to mock prospective clients. In addition, students will learn to critique the financial consultations of others based on ethical and legal considerations. \*This class may be offered as Dual Enrollment for Juniors and Seniors.

## **Criminal Justice and Correction Services**

**CTE Organization: Blue Knights**

### **Criminal Justice I - 1 Credit**

This course is the first level of study of criminal justice careers including an overview of the legal system. Course taught using hands-on activities, case studies, evidence collection, and field trips. Technology and career opportunities in criminal justice are explored. Students test for CPR certification.

### **Criminal Justice II - 1 Credit**

**Prerequisite:** Criminal Justice I

This course is an in-depth study of criminal justice and law. Mock trials and field trips are offered. Course content will introduce new technology, forensic analysis, and career opportunities.

### **Criminal Justice III: Investigation - 1 Credit**

**Prerequisite:** Criminal Justice II

This course includes application of knowledge gained from Criminal Justice I and II. Students are expected to travel outside the classroom as part of research gathering activities. There is an emphasis on problem solving and teamwork.

### **Criminal Justice- Statewide Dual Credit (EPSO) - 1 Credit**

**Prerequisites:** Criminal Justice I and II

Course will consist of introductory college level material **Students will take a state exam at the end of this course and if they pass it they will receive high school and college credit at no cost to them.**

## **English**

### **Freshmen**

#### **English I (State Tested) - 1 Credit**

This course includes the study of grammar, English usage, vocabulary, and literature. Writing assignments include paragraphs, various types of essays, and answering essay questions on selected tests. Short stories, poetry, and drama are included in the various styles of literature studied.

#### **Honors English I (State Tested) - 1 Credit**

**Teacher selects the class roster from registration requests.**

Course will be English I for the advanced level student who meets grade/testing criteria and teacher recommendation. Pace of the class will be faster and the depth of material will also be increased. **Summer reading may be assigned prior to the end of school.**

### **Sophomores**

#### **English II (State Tested) - 1 Credit**

This course includes the study of grammar, English usage, vocabulary, and literature. Writing assignments include paragraphs, various types of essays, answering essay questions on selected tests, and a research project. Short stories, poetry, drama and non-fiction selections are included in the various styles of literature studied.

#### **Honors English II (State Tested) - 1 Credit**

**Teacher selects the class roster from registration requests.**

Course will be English II for the advanced level student who meets grade/testing criteria and teacher recommendation.

**Summer reading may be assigned prior to the end of school.**

### **Juniors**

#### **English III - 1 Credit**

This course is a study of American literature beginning with Puritan writings. Different types of literature will be examined including short stories, poetry, and drama. This course will also focus on English usage and vocabulary development. Additionally, students will continue developing writing skills to answer essay questions on tests and produce well-crafted essays on various topics, written in different formats.

#### **Honors English III – 1 Credit**

**Teacher selects the class roster from registration requests.**

Course will be English III for the advanced level student who meets grade/testing criteria and teacher recommendation. This course is a study of American literature beginning in the 1600s and continuing through contemporary literature. This course may require novel and other outside reading. A research paper is required of all students and essays are assigned on a bi-weekly basis. Students will create PowerPoint presentations and become accustomed to making presentations. Grammar will be embedded in the units as needed and emphasized in the essay analysis.

**Summer reading may be assigned prior to the end of the previous school year.**

#### **AP English III: Language & Composition - 2 Credits**

**Teacher selects the class roster from registration requests.**

Designed to be a college-level course potentially earning college credit, AP English Language students are required to understand the nature of rhetoric and its role in communication. Students are expected not only to identify rhetoric in various forms of prose but to apply rhetorical devices within their own compositions. The majority of reading material is nonfiction text; however,

additional literature specifically selected for the AP curriculum will be assigned regularly. Although reading is a core element of this course, analytical and argumentative writing is a significant component and should reflect advanced skill levels. Elevated sentence formation, refined grammar usage, and expanded vocabulary are targeted areas while students focus on substance and style of writing.

**Completion of summer assignment is required for course enrollment. AP Exam (estimated \$94)**

## Seniors

### English IV - 1 Credit

This course is a chronological survey of British literature which includes passages from the Anglo-Saxon period through the modern period. Paired texts are used as complementary passages to improve student reading skills. Writing assignments include a mini-research paper and a variety of essays. Grammar is embedded in the units as needed and emphasized in each essay analysis.

### Honors English IV - 1 Credit

**Teacher selects the class roster from registration requests.** Course will be English IV for the advanced level student who meets grade/testing criteria and teacher recommendation. This course is a chronological survey of British literature which includes passages from the Anglo-Saxon period through the modern period. Paired texts are used as complementary passages to improve student reading skills. Two research papers are required of all students and essays are assigned on a bi-weekly basis. Each quarter, students prepare electronic presentations either individually or as part of a small group. Grammar is embedded in the units as needed and emphasized in each essay analysis.

Because this is an honors course, students are required to complete two long-term, major assignments.

## English Electives

### ACT Preparation - 1 Credit

**Sophomores, Juniors and Seniors**

**Prerequisites:** Algebra I; Geometry

This is a course designed for juniors and seniors who want to review the skills measured on the ACT. Algebra II is recommended.

### Journalism I, II, III - 1 Credit

Along with supervising and maintaining the flow of each portrait day schedule, students design, create, and sell the secondary yearbook.

## Speech and Communication- Statewide Dual Credit-(EPSO) 1 Credit

**Juniors and Seniors only**

A course in interpersonal/intrapersonal aspects of communication focusing on public speaking (persuasive, informative, media, and small group) presentations. Also covers communication, history, critical thinking, multicultural, and mass media communication styles.

**Students will take a state exam at the end of this course and if they pass it they will receive high school and college credit at no cost to them.** \*Course scheduling depends on student course requests and teacher availability.

## Fine Arts

### General Music - 1 Credit

The class emphasizes the evolution of musical styles, explores the changing social, cultural, economic, and political conditions that gave rise to those styles. Topics include Gregorian chant, opera, jazz, blues, the rise of instrumental music and contemporary artists. The class utilizes UNCONVENTIONAL methods to study the lives of Musicians—their good times, bad times and what the neighbors thought. What kind of child were they? How did they die? What went on in between? What did they eat? What were their phobias, quirks, and bad habits? Who were their “significant others”? Composers of yesteryear, much like today, had perseverance and a single-mindedness that led not only to success, but also to eccentricities, sometimes amusing, sometimes sad. This class delves into what it is like to live a truly creative life. Grades are determined through active participation, some written tests and many intriguing and creative assignments.

### Theater Arts I, II, III - 1 Credit

This is a one credit course that will have the students study, write, research, critique, create, design, perform, and participate in a variety of theatre-based learning experiences. Appropriate theatre technology and media will also be studied.

### Visual Art - 1 Credit

The visual art course offers a study of Western art from the beginning of civilization to the present time, including the most modern trends and ideas in the ever-changing world of art. As a survey course, the material is approached as an introduction to the discipline. Two goals of the course are to encourage the student to pursue further study in college as well as become versed in the visual language of art.

## Foreign Language

*Note: All students are required to successfully complete two years of the same foreign language.*

### Spanish I - 1 Credit

**Prerequisite:** English I

This course is an introduction to the Spanish language, the countries where Spanish is spoken and the customs of those countries. Basic vocabulary and basic grammar are emphasized.

### Spanish II - 1 Credit

**Prerequisite:** Spanish I

This course is a continuation of Spanish I skills and activities with an emphasis on conversation and reading comprehension. Preparation for practical everyday Spanish usage is taught.

### AP Spanish Language and Culture - 2 Credits

**Prerequisite:** 85 or higher in Spanish I and II

This course is for the advanced Spanish student; focus is on Spanish culture, conversation, writing and reading skills. Course is offered subject to number of requests and teacher availability. This course is designed to be taught at the college level. The students will be able to take the AP Spanish Language and Culture exam at the end of this course to earn college credit. **AP Exam (estimated \$94)**

## Health Science Education

Who should take this class/program: Students interested in a career in healthcare such as, but not limited to: registered nurse, certified nurse assistant, nurse practitioner, doctor, dentist, dental hygienist, pharmacy tech, pharmacist, medical lab tech, phlebotomist, radiologist, radiology technician, ultrasound technician, respiratory tech, physical therapist, physical therapy assistant, orthodontist, surgeon, physician assistant, OB/GYN, occupational therapist, CRNA, anesthesiologist, psychiatrist, pediatrician, chiropractor, midwife

### Health Science Education-1 Credit

Health Science Education is an introductory course designed to prepare students to pursue careers in the fields of public health, therapeutics, health informatics, diagnostics, and support services. Upon completion of this course, a proficient student will be able to identify careers in these fields, compare and contrast the features of healthcare systems, explain the legal and ethical ramifications of the healthcare setting, and begin to perform foundational healthcare skills. This course will

serve as a strong foundation for all of the Health Science programs of study.

### Anatomy & Physiology-1 Credit

**Prerequisite:** Health Science Education

**Pre/Co-requisite:** Medical Therapeutics, Biology  
Anatomy and Physiology is designed to develop an understanding of the structures and functions of the human body, while relating those to knowledge and skills associated with pathophysiology. Upon completion of this course, proficient students will be able to (1) apply the gross anatomy from earlier courses to a deeper understanding of all body systems, (2) identify the organs and structures of the support and movement systems, (3) relate the structure and function of the communication, control, and integration system, and (4) demonstrate a professional, working understanding of the transportation, respiration, excretory, and reproductive systems.

### Medical Therapeutics-1 Credit

**Prerequisite:** Health Science Education

Medical Therapeutics is an applied course designed to prepare students to pursue careers in therapeutic and nursing services. Upon completion of this course, a proficient student will be able to identify careers in therapeutics services; assess, monitor, evaluate, and report patient/client health status; and identify the purpose and components of treatments.

### Nursing Education-1 Credit

**Prerequisites:** Health Science Education, Medical Therapeutics, Anatomy & Physiology

**Class Fee:** \$200

Nursing Education is a capstone course designed to prepare students to pursue careers in the field of nursing. Upon completion of this course, a proficient student will be able to implement communication and interpersonal skills, maintain residents' rights and independence, provide care safely, prevent emergency situations, prevent infection through infection control, and perform the skills required of a nursing assistant. At the conclusion of this course students may sit for the Certified Patient Care Technician (CPCT) exam, or if students have logged 40 hours of classroom instruction and 20 hours of classroom clinical instruction, and if they have completed 40 hours of site-based clinical with at least 24 of those hours spent in a long-term care facility through a Tennessee Department of Health approved program, they are eligible to take the certification examination as a Certified Nursing Assistant (CNA).

**Requirements:**

- 3.2 or higher GPA
- Discipline Report with Principal/AP sign off
- Attendance Report with sign off
- BLS/CPR Certification

- Completed application packet, deadline March 1, 2019
- Successful presentation of portfolio and interview
- Payment of class fee
- Students must not be listed on the national elder abuse registry or display any violent tendencies
- Drivers license and car

## Mathematics

*Students are required to take a math course all four years. All Algebra I, Geometry, and Algebra II classes have a strong focus on Tennessee State Standards. A scientific calculator is the minimum technology needed for Algebra I, Geometry, and Bridge math. A graphing calculator is needed for other math classes (and highly recommended for all math classes.)*

*\*Math courses are assigned each year based on TCAP and ACT scores, as well as teacher recommendations.*

### Algebra I Part 1 and Part 2-(State Tested) - 2 Credits

The student develops skills necessary for upper level math courses. Topics include signed numbers, equations, functions, and other manipulation skills.

### Geometry (State Tested) – 1 Credit

**Prerequisite:** Algebra I

This course is a study of geometric concepts, including length, area, volume, and transformations. Also includes relationships between various geometric figures and patterns.

### Honors Geometry (State Tested)- 1 Credit

**Prerequisite:** Algebra I

TN Ready State Standards

### Algebra II Part 1 and Part 2 (State Tested) - 2 Credits

**Prerequisite:** Algebra I

This course is an extension of Algebra I with an in-depth study of graphs, functions, and absolute value. The course also includes an introduction to statistics and matrices and use of graphing calculator.

### Honors Algebra II Part 1 and Part 2-(State Tested) - 2 Credits

**Prerequisite:** Algebra I

TN Ready State Standards

### Bridge Math - 1 Credit

**Prerequisite:** Geometry and Algebra II

Seniors who have not earned at least a 19 on the mathematics component of the ACT are recommended to complete the Bridge Math course. The curriculum for Bridge Math includes a review of Algebra I and Geometry as well as an introduction to Algebra II.

### Bridge SAILS - 1 Credit

**Prerequisite:** Geometry and Algebra II

The Seamless Alignment and Integrated Learning Support (SAILS) program targets students who have not achieved college readiness benchmarks by introducing the college developmental curriculum into the high school senior year. Students will work on all assignments online. All homework, quizzes, and reviews can be completed at any time internet access is available. Module tests can only be taken with a SAILS Instructor or Field Coordinator. Students should work the entirety of the class every day and it is suggested at least 2-3 hours outside of SAILS class each week in order to meet deadlines assigned by the teacher. **Reliable internet and computer access outside of school is strongly recommended.** Upon completion of SAILS, students will not be required to enroll in remedial or support math in college or technical school (exclusions may apply.) Only seniors who have made below 19 on the math portion of the ACT may take SAILS. Teacher approval also applies.

### Applied Mathematical Concepts - 1 Credit

**Prerequisite:** Algebra II

This course is aligned to the ACT college- and career-readiness standards and contains content from Discrete and Finite Math. Topics include counting, combinatorics, probability, financial math, and linear programming.

### Pre-Calculus (Statewide Dual Credit) - 1 Credit

**Prerequisites:** Geometry and Algebra II

This course is a combination of Pre-Calculus and Trigonometry to prepare students for college math courses. The working of various mathematical problems is taught through lecture. Student will take an exam at the end of the course. **Students will take a state exam at the end of this course and if they pass it they will receive high school and college credit at no cost to them.**

### Probability and Statistics (Statewide Dual Credit) - 1 Credit

**Prerequisites:** Geometry and Algebra II

An introduction to elementary statistical methods. Topics covered include mean, standard deviation, standard scores, probability of events, binomial and normal distribution, linear correlations, sampling, hypothesis testing, goodness of fit, analysis of variance. **Students will take a state exam at the end of this course and if they pass it they will receive high school and college credit at no cost to them.**

## **AP Calculus (EPSO) - 2 Credits**

**Prerequisites:** 93 average in Pre-Calculus or 85 average in Statewide Dual Credit Pre-Calculus

The class roster is selected from registration requests. This course includes limits, derivatives, integrals, and applications of these topics.

**AP Exam (estimated \$94)**

## **Project Lead the Way**

### **Introduction to Engineering Design - 1 Credit**

Introduction to Engineering Design (IED) is a high school level foundation course in the PLTW Engineering Program. In IED students are introduced to the engineering profession and a common approach to the solution of engineering problems, an engineering design process. Utilizing the activity-project-problem-based (APB) teaching and learning pedagogy, students will progress from completing structured activities to solving open-ended projects and problems that require them to develop planning, documentation, communication, and other professional skills.

### **Principles of Engineering – 1 Credit**

**Prerequisite: Introduction to Engineering Design**

Principles of Engineering (POE) is a foundation course of the high school engineering pathway. This survey course exposes students to some of the major concepts that they will encounter in a postsecondary engineering course of study. Through problems that engage and challenge, students explore a broad range of engineering topics, including mechanisms, the strength of materials and structures, automation, and kinematics. The course applies and concurrently develops secondary level knowledge and skills in mathematics, science, and technology.

### **Computer Integrated Manufacturing – 1 Credit**

**Prerequisite: Principals of Engineering (POE)**

Computer Integrated Manufacturing (CIM) is one of the specialization courses in the PLTW Engineering program. The course deepens the skills and knowledge of an engineering student within the context of efficiently creating the products all around us. Students build upon their Computer Aided Design (CAD) experience using Computer Aided Manufacturing (CAM) software. CAM transforms a digital design into a program that a Computer Numerical Controlled (CNC) mill uses to transform a block of raw material into a product designed by a student. Students learn and apply concepts related to integrating robotic systems such as Automated Guided

Vehicles (AGV) and robotic arms into manufacturing systems.

## **Science**

### **Environmental Science – 1 Credit**

**Environmental science** is defined as a branch of biology focused on the study of the relationships of the natural world and the relationships between organisms and their environments. An example of **environmental science** is the study of the natural world and how it relates to recycling and mulching.

### **Biology (State Tested) - 1 Credit**

This course is the study of cell structure and function, heredity, evolution, interdependence and matter, energy, and organization.

### **AP Biology - 2 Credits**

**Prerequisites:** Biology I and Chemistry I

**The class roster is selected from registration requests.**

This course is designed to enable students to develop advanced inquiry and reasoning skills. Key concepts and related content are organized around principles which encompass the core scientific principles, theories, and processes governing living organisms and biological systems.

**Lab Fee \$50; AP Exam (estimated \$94)**

### **Chemistry - 1 Credit**

**Prerequisite: Must have passed Algebra I**

Students receive a foundation of theoretical and descriptive chemistry as well as problem solving techniques. Course is taught through lecture and hands-on activities.

### **Physics - 1 Credit**

**Prerequisite:** Algebra II or Geometry

Physics is the study of the relationship between matter and energy and how they interact. Study includes motion, sound, waves, light, electricity, and magnetism. Course is taught through lecture and hands-on activities.

## **Social Studies**

### **World History & Geography - 1 Credit**

This course studies the social, economic, political, and intellectual characteristics of human society. Students will explore geographic influences on history, with attention given to political boundaries that developed with the evolution of nations from 1750 to the present and the subsequent human geographic issues that dominate the global community. Emphasis is given to

those men and women, movements, and ideas influencing the development of the modern world.

### **World History & Geography (Statewide Dual Credit)-1 Credit**

This course studies the social, economic, political, and intellectual characteristics of human society. Students will explore geographic influences on history, with attention given to political boundaries that developed with the evolution of nations from 1750 to the present and the subsequent human geographic issues that dominate the global community. Emphasis is given to those men and women, movements, and ideas influencing the development of the modern world. **Students will take a state exam at the end of this course and if they pass it they will receive high school and college credit at no cost to them.**

### **US History & Geography (State Tested) - 1 Credit**

This course begins in the last half of the 19<sup>th</sup> Century with the development of America as an industrialized nation. Students will continue to use skills for historical and geographical analysis as they examine American history since Reconstruction with special attention to Tennessee connections in history, geography, politics, and people. The 20<sup>th</sup> century is the major focus as America endures wars, depression, civil rights, and the impact of dramatic technological advances.

### **US History & Geography (Statewide Dual Credit) - 1 Credit**

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### **AP Human Geography – 2 Credits**

**Prerequisite: Strong Reading and Social Studies test scores.**

This course introduces students to the systematic study of patterns and processes that have shaped human understanding, use, and alteration of Earth's surface. Students employ spatial concepts and landscape analysis to examine human socioeconomic organization and its environmental consequences.

**AP Exam (estimated \$94)**

### **AP US History - 1 Credit**

**The class roster is selected from registration requests.**

This course traces America's past from pre-discovery to post-World War II in an in-depth manner. Discussion/essay format testing is used as well as extensive reading, historical and analytical essays, research assignments and debate style discussions. Critical and analytical thinking is an imperative aspect of the course. **AP Exam (estimated \$94)**

### **AP World History – 2 Credits**

**Prerequisite: Strong Reading and Social Studies test scores.**

Course is a study equivalent to an introductory college course in World History.

**AP Exam (estimated \$94)**

### **Personal Finance - ½ Credit**

This course examines how individual choices directly influence occupational goals and future earnings potential. Real world topics covered will include income, money management, spending and credit, as well as saving and investing.

### **Economics - ½ Credit**

Economics is the study of our attempts to satisfy wants/needs through the careful use of scarce resources. Students investigate consumer issues, and develop skills in financial planning and use of income.

### **U.S. Government and Civics - ½ Credit**

This course is a survey of the national political system. Topics include democratic theory, the Constitution, federalism, socialism, public opinion, political parties, civil liberties, and foreign and domestic policies. **A passing grade on a county wide civics exam is required for graduation.**

### **Psychology- (Statewide Dual Credit)- 1 Credit**

**Juniors and Seniors only**

Throughout the course, students will relate psychological knowledge to everyday life and will explore the variety of careers available to those who study psychology. Assignments will include unit tests, research projects, and class presentations. Due to the nature of this introductory course, an extensive number of topics will be covered:

1. Historical Perspective
2. Research
3. Brain Physiology and Function
4. Human Development
5. Sensation and Perception
6. Memory
7. Consciousness
8. Cognition and Intelligence
9. Sexuality

10. Psychological Disorders
11. Therapy/Treatment
12. Social Psychology
13. Motivation and Emotion
14. Health Psychology
15. Learning
16. Personality

At the end of the course, students are required to take a free state exam. A passing grade is equivalent to college credit.

### **Sociology – (Statewide Dual Credit) - 1 Credit Juniors and Seniors only**

Students will explore the ways sociologists view society, and also how they study the social world. In addition, students will examine culture, socialization, deviance and the structure and impact of institutions and organizations. Also, students will study selected social problems and how change impacts individuals and societies. Student will take an exam at the end of the course. If the student passes the exam, they will receive both college credit and high school credit at no charge to the student.

### **Service Learning - 1 Credit Juniors and Seniors only**

This course gives students an opportunity to contribute to some aspect of school/community through volunteerism.

## **Wellness**

### **Lifetime Wellness - 1 Credit**

This course is an integrated approach to health and physical fitness. Integrated health topics include personal fitness, mental health, disease prevention, safety, family life, substance abuse, and nutrition.

### **Physical Education I- ½ credit Sophomores and above**

This class is designed to aid in the development of each student physically, mentally, and socially. The program will include beginning instruction and practice and play in individual and team sports.

## **TN Student Success-1 Credit**

### **Seniors Only**

This course is designed to equip high school seniors with the skills and information needed to enroll and succeed in higher education.

## **Work Based Learning**

### **WBL Career Practicum**

#### **Seniors Only**

This capstone course provides opportunities to apply skills and knowledge within a professional work environment through apprenticeships, internships, and cooperative education. (A “related” course may be any academic or CTE class.) Personal transportation is required for all off campus assignments. **The WBL Coordinator will review student attendance, discipline, and grades to select participants.**