

STEWART COUNTY



REBELS

COURSE CATALOG

2022-23

Focus of Study	Required Courses – must complete three for a focus	General Description
ADVANCED MANUFACTURING		
Machining Technology	Principles of Manufacturing Principles of Machining I Principles of Machining II Manufacturing Practicum	<i>The Machining Technology program of study is designed for students interested in becoming a computer-controlled machine tool operator, a CNC machining tool programmer, or a machinist.</i>
AGRICULTURE		
Ag Engineering and Applied Technologies	Agriscience Agriculture Mechanics Agricultural Power and Equipment	<i>The production, processing, marketing, distribution, financing, and development of agricultural commodities and resources including food, fiber, wood products, natural resources, horticulture, and other plant and animal products/resources.</i>
Horticulture Science	Agriscience Principles of Plant Science & Hydroculture Greenhouse Management	<i>Horticulture Science prepares students for future careers in the management of greenhouse operations, horticulture production, landscape design and maintenance, and turf management.</i>
ARCHITECTURE AND CONSTRUCTION		
Structural Systems	Fundamentals of Construction Carpentry I (Structural Systems I) Carpentry II (Structural Systems II) Construction Practicum (WBL)	<i>This career cluster prepares learners for careers in designing, planning, managing, building and maintaining the building environment.</i>
BUSINESS MANAGEMENT AND ADMINISTRATION		
Business Management	Introduction to Business and Marketing Accounting I and/or Digital Business Communications Business Management Business Practicum (WBL)	<i>Careers in planning, organizing, directing and evaluating business functions essential to efficient and productive business operations.</i>
Office Management	Computer Applications Digital Business Communications Business Management Advanced Computer Applications	
EDUCATION AND TRAINING		
Teaching as a Profession (K-12)	Fundamentals of Education Teaching As A Profession I Teaching As A Profession II Teaching As A Profession Practicum	<i>Planning, managing and providing education and training services, and related learning support services for individuals interested in the education profession.</i>
HEALTH SCIENCE		
Emergency Services	Health Science Education Anatomy and Physiology Medical Therapeutics Emergency Medical Services	<i>Planning, managing, and providing emergency care for individuals and/or groups</i>

HUMAN SERVICES			
Dietetics and Nutrition	Introduction to Human Studies Nutrition Across the Lifespan Nutrition Science and Diet Therapy Human Services Practicum (WBL)	<i>Preparing individuals for employment in career pathways that relate to families and human needs such as counseling, mental health services, family and community services, personal care and consumer services.</i>	
Cosmetology	Cosmetology I Cosmetology II Cosmetology III		
LAW, PUBLIC SAFETY, CORRECTIONS, & SECURITY			
Criminal Justice and Corrections Services	Criminal Justice I Criminal Justice II Criminal Justice III: Investigation Criminal Justice Practicum (WBL)	<i>Preparing individuals for careers in planning, managing, and providing legal, public safety, protective services and homeland security, including professional and technical support services.</i>	
STEM			
Engineering	Principles of Engineering and Technology Engineering Design I Engineering Design II Engineering Practicum (WBL)	<i>Engineering is a new program of study designed for students interested in the various disciplines of engineering and engineering technology. Course content is arranged around four sequenced, progressive courses that provide students with the opportunity to develop critical thinking skills and understanding of engineering concepts.</i>	
TRANSPORTATION			
Automotive Maintenance and Light Repair	Maintenance and Light Repair I Maintenance and Light Repair II Maintenance and Light Repair III Maintenance and Light Repair IV WBLCareer Practicum	<i>The planning, management, and movement of people, materials, and goods by road, pipeline, air, rail and water and related professional and technical support services such as transportation infrastructure planning and management, logistics services, mobile equipment and facility maintenance.</i>	
GENERAL EDUCATION-- Any three above core requirements			
Math and Science	Pre-Calculus AP Calculus College Algebra (DE) Intro to Statistics (DE)	Physics AP Biology	
Fine Arts	Visual Art I Visual Art II Visual Art III Sculpture II Theatre Arts	General Music Instrumental Bad Music Theory Vocal Music	

**Stewart County Schools Enrollment Procedure in Advance
Courses Grades 7 - 12**

Student in grades 7-12 may enroll in available courses including, but not limited to, advanced English language arts, mathematics, or science courses.

To enroll in these courses, students shall meet the following standards:

Honors Courses

Students wishing to enroll in Algebra I in the 8th grade must "meet" or "exceed" expectations on the 7th-grade Math TNReady AND have at least a 75% chance of "meeting expectations" on the Algebra 1 TNReady exam.

9th Grade	10th Grade	11th Grade	12th Grade
<p><u>English 1</u></p> <p>50% chance of meeting or exceeding expectations on English 1 TNReady</p> <p>Met or exceeded expectations on 7th/8th grade ELA TNReady</p>	<p><u>English 2</u></p> <p>50% chance of meeting or exceeding expectations on English 2 TNReady</p> <p>Met or exceeded expectations on English 1 TNReady</p>	<p><u>English 3</u></p> <p>50% chance of meeting the ACT Reading Benchmark (22).</p> <p>Met or exceeded expectations on English 1 AND English 2 TNReady.</p>	<p><u>English 4</u></p> <p>Met ACT benchmarks for English (18) and Reading (22).</p> <p>Met or exceeded expectations on English 1 AND English 2 TNReady.</p>
<p><u>Geometry</u></p> <p>50% chance of meeting or exceeding expectations on Geometry TNReady</p> <p>Met or exceeded expectations on Algebra 1 TNReady</p>	<p><u>Algebra 2</u></p> <p>50% chance of meeting or exceeding expectations on Algebra 2 TNReady</p> <p>Met or exceeded expectations on Algebra 1 & Geometry TNReady</p>	<p><u>Math</u></p> <p>Students scoring less than 19 on ACT Math must take Bridge Math</p> <p>Students scoring 19 or above on ACT Math must choose - Precalculus AP Calculus Dual Enrollment Math</p>	<p><u>Math</u></p> <p>Students scoring less than 19 on ACT Math must take Bridge Math</p> <p>Students scoring 19 or above on ACT Math must choose - Precalculus AP Calculus Dual Enrollment Math</p>

<u>Biology</u>	<u>Physical Science</u>	<u>Chemistry</u>	<u>Physics</u>
50% chance of meeting or exceeding expectations on Biology TNReady Met or exceeded expectations on 7th/8th grade Science TNReady	50% chance of meeting the ACT Science Benchmark (23) Met or exceeded expectations on Biology TNReady	50% chance of meeting the ACT Science Benchmark (23) and ACT Mathematics Benchmark (22) Met or exceeded expectations on Biology TNReady	Met ACT benchmarks for Math (22) and Science (23) Met or exceeded expectations on Biology TNReady

- Substandard data can be overridden by teacher/administrator recommendation supported by MasterConnect Predictive Assessment benchmark data. Students failing an honors course will be ineligible to take an honors course in that subject the next year.

AP Courses

AP Human Geography -

Must meet the criteria to qualify for the Honors English course in the upcoming grade.

AP English/Literature/History -

Must meet the criteria to qualify for the Honors English course in the upcoming grade.

AP Calculus -

Must make at least a 22 on the ACT Math subtest. Must meet or exceed expectations on Algebra II TNReady. Must take Precalculus as a prerequisite.

AP Biology -

Must take Biology 1. Must meet or exceed expectations on Biology 1 TNReady.

As with honors courses, substandard data can be overridden by a teacher/administrator recommendation and supported by benchmark data. Also, students having a 50% chance of scoring a 3 or higher on the AP course exam as reported by TVAAS may be enrolled in the course.

Dual Enrollment Courses

The guidelines for enrollment for each course are set by the partnering university.

Notification

Parent(s)/guardian(s) shall be provided written notification of a student's eligibility to enroll in advanced courses. The notification shall state that a student will remain enrolled in the course unless the parent/guardian timely submits a written request for removal.

Students may also be removed from an advanced course if the student's teacher determines that the student should be removed based on performance after thirty (30) days of instruction and the principal approves the request to remove the student. Parents should be notified prior to removal from the course.

The Stewart County Board of Education does not discriminate on the basis of race, color, national origin, sex, handicapping condition or age and complies with Title VI of the Civil Rights Act of 1964 that states:
No person in the United States shall, on the grounds of race, color, or national origin, be excluded from participation in, be denied the benefits of, or be subjected to discrimination under any program or activity receiving Federal financial assistance.

Anyone who believes that the school system has discriminated against them or another individual may file a complaint.
The complaint can be sent to:

Dr. Ben Duncan, Title VI, IX Coordinator
Stewart County Schools
1031 Spring Street
Dover, TN 37058
931.232.5176
benduncan@stewartcountyschools.org

and/or
Bill Wilson
Tennessee Department of Education
6th Floor, Andrew Johnson Tower
710 James Robertson Parkway
Nashville, TN 37243
615.741.5988 (Phone)
615.532.2599 (Fax)
bill.wilson@tn.gov

and/or
The Office of Civil Rights
U. S. Department of Education
P. O. Box 2048, 04-3010
Atlanta, GA 30301
404.562.6350 (Phone)
404.562.6455 (Fax)
OCR_Atlanta@ed.gov

Family Educational Rights and Privacy Act (FERPA)

Notice for Director Information

The *Family Educational Rights and Privacy Act* (FERPA), a Federal law, requires that the Stewart County School System, with certain exceptions, obtain your written consent prior to the disclosure of personally identifiable information from your child's education records. However, the Stewart County School System may disclose appropriately designated "directory information" without written consent, unless you have advised the District to the contrary in accordance with District procedures. The primary purpose of directory information is to allow the Stewart County School System to include this type of information from your child's education records in certain publications.

Directory information, which is information that is generally not considered harmful or an invasion of privacy if released, can also be disclosed to outside organizations without a parent's prior written consent. Outside organizations include, but are not limited to, companies that manufacture class rings or publish yearbooks. In addition, two federal laws require local educational agencies (LEA's) receiving assistance under the *Elementary and Secondary Education Act of 1965 (ESEA)* to provide military recruiters, upon request, with three directory information categories—names, addresses and telephone listings—unless parents have advised the LEA that they do not want their student's information disclosed without their prior written consent.¹

If you do not want the Stewart County School System to disclose director information from your child's education records without your prior consent, you must notify your child's school in writing. The Stewart County School System has designated the following information as directory information:

- Student's Name
- Address
- Telephone listing
- Photographs
- Date and place of birth
- Major Field of study
- Dates of attendance
- Grade level
- Participation in officially recognized activities and sports
- Weight and height of members of athletic teams
- Degrees, honors and awards received
- The most recent educational agency or institution attended

FERPA requirements afford parents and students over 18 years of age certain rights with respect to a student's education records. The Stewart County School System does not deny eligible persons the right to inspect, review or seek to amend education records. District procedures are stated in School Board Policy 6.601 and are available from each school.

Upon request, Stewart County Schools will disclose education records without consent to officials of another school district in which a student seeks or intends to enroll. Disciplinary records, with respect to a suspension or expulsion, are transferred by Section 4155.

Parents who feel their rights have been violated may file a complaint with:

Family Policy Compliance Office	or	Family Policy Compliance Office
Stewart County Schools		U.S. Department of Education
1031 Spring Street		400 Maryland Avenue SW
Dover, TN 37058		Washington, D.C. 20202-5901

¹These laws are: Section 9528 of the ESSA (20 U.S.C. 1232g; 34 CFR Part 99). iii

Curriculum Vocabulary

ACT - a college entrance exam given in the 11th grade which is required by most two- and four-year colleges.

Advanced Placement Course - Each AP course is modeled on a comparable college course by college and university faculty. AP courses culminate in college-level assessments developed and scored by college and university faculty. Based upon their performance on rigorous AP Exams, students can earn credit, advanced placement or both, for college. The cost of the assessment is the responsibility of the student.

Bridge/SAILS Math - a senior-level course designed for students who have not attained a 19 on the mathematics component of the ACT.

Chronically Out of School - a student whose absences total 18 or more days (or 10%) of school in one academic year. An absence is defined as missing school for any reason, including excused or unexcused absences, or suspensions.

Class Rank - the order of students in relation to classmates based upon Quality Point Average.

Core Course - a course essential for graduation.

Credit - the value assigned to a course upon successful completion (also called unit).

CTE Focus - a way for schools to organize instruction and student experiences around sixteen groups of similar occupations and industries. Using the career cluster approach helps students to link what they learn in school to the knowledge and skills they need for success in college and career choices. A student better understands the relevance of the required courses and is wisely able to select elective courses.

Curriculum - a school's course of study.

Dual Credit - is a post-secondary course or high school course aligned to a post-secondary course that is taught at the high school by high school faculty for high school credit. Students are able to receive post-secondary credit by successfully completing the course, plus passing the assessment developed and/or recognized by the granting post-secondary institution. The institution will grant the credit upon enrollment of the student.

Dual Enrollment - is a post-secondary course, taught at the high school or university designated location, by the post-secondary faculty (may be credentialed adjunct faculty), which, upon successful completion of the course, allows students to earn post-secondary and secondary credit concurrently. The student must meet dual enrollment eligibility under the Tennessee Board of Regents (TBR) and designated university.

Early Post-Secondary Opportunity – a course and/or exam that gives students a chance to obtain postsecondary credit while still in high school. Courses must be aligned to postsecondary standards.

Elective Course - a course a student chooses to complete the elective focus after selection of required courses.

End-of-Course Test (EOC) - state mandated test administered in specific courses.

FAFSA - Free Application for Federal Student Aid to the U. S. Department of Education determines your eligibility for federal financial aid as well as scholarships, grants, and other aid opportunities.

Focused Plan of Study (POS) - an initial four-year plan of high school courses jointly prepared by the 8th grade student, parent/guardian and guidance counselor to prepare students for post-secondary study.

GPA - the averages of all completed courses (Grade Point Average).

Honors Course - a challenging curriculum requiring additional outside projects and/or readings.

Industry Certification (IC) - earned through secondary and postsecondary career and technical education programs and courses.

NAIA - a governing body of small athletics programs, mostly private schools that are dedicated to character-driven intercollegiate athletics (National Association of Intercollegiate Athletics).

NCAA - an association that regulates college athletic programs by establishing rules on eligibility, recruiting and financial aid (National Collegiate Athletic Association).

NCAA Clearinghouse - a process completed by students planning to participate in Division I or II athletics during college.

Prerequisite - successful completion of a subject prior to enrolling in a course (i.e. Spanish I before Spanish II).

Program of Studies - a booklet that explains graduation requirements, registration policies and course descriptions to assist students and parents in the selection of courses.

Ready Core Requirements - basic courses required of all students for graduation.

Ready Graduate - the percentage of students who are earning a diploma from a Tennessee high school and who have met measures of success that increase their probability of seamlessly enrolling in postsecondary education and entering the workplace or the military.

Registration - the process of selecting courses for the next school year.

SAT - an entrance exam that is required by some colleges and universities (Scholastic Aptitude Test).

Semester - one half of the school year.

Sequential Courses - courses required to be taken in a specific order (i.e. Auto Mechanics I before Auto Mechanics II).

Tennessee Ready (TNReady) - Tennessee will transition from TCAP (End-of-Course) testing to TNReady in 2015-2016 and thereafter for English I, II, III, Algebra I, II, Geometry or Integrated Math I, II and III.

Tennessee Scholar - Students who graduate with a "rigorous, defined academic course of study sufficient to prepare them for higher education, workforce, or the military." There is no specific scholarship earned by achieving this designation, but some colleges/universities award scholarships by achieving this designation.

Transcript - a record of high school subjects, grades, test scores and attendance.

Unit - the value assigned to a course upon successful completion (also called a credit).

Weighted GPA - the addition of points assigned to each course in relation to its pre-determined level of difficulty.

Freshmen Course Prerequisites

Honors Track

Freshmen Course Prerequisites

Honors & AP Courses

Honors Courses: Incoming freshmen must have a 60% or greater chance of obtaining a rating of "ON TRACK" on the English I, Biology I, and Algebra I EOC as reported by TVAAS to enroll in each individual course's honors section. A student may be eligible to enroll in any number of honors courses.

AP Geography: Incoming freshmen must have a 40% or greater chance of obtaining a score of 3 on the AP Geography exam as reported by TVAAS.

***Exceptions:** Students with an IEP will be placed in courses based on IEP team decisions.

General Information Grading System

The basic grading system for subject area grades is to be expressed by numerical values that have corresponding letter grades.

Grade	Minimum Score	Maximum Score
A	90	100
B	80	89
C	70	79
D	60	69
F	59 AND BELOW	-
I	INCOMPLETE	

Transfer students' letter grades will be converted to number grades as follows:

A=95 B=85 C=75 D=65 F=59

Weighting for Honors Courses and EPSOs Uniform Grading Policy

The addition of percentage points to weight honors and early postsecondary opportunities should be made at each reporting period as well as to any semester exam or other grade used to determine the semester average. They are not added to the semester or final average since the points are already in the grade.

GPA calculation is on a 4.0 scale. The following grade points are assigned: A = 4, B = 3, C = 2, D = 1, and F = 0. The GPA is calculated by multiplying the points assigned to each course for the semester or final course average by the credit available for each course and dividing by the total number of credits available.

Where Does Eighth Grade Algebra I Count and Not Count?

1. Eighth Grade Algebra I is not counted in the GPA.
2. The credit for eighth grade Algebra I does appear on the transcript.

Graduation Recognition will be decided on weighted grade point average.

****The weighted point system listed above and the included calculations are subject to change based on TN state law and/or State Board of Education requirements.**

Loss of Credit for Duplicate Courses

Students must check carefully to make sure that they do not register for a course for which they have previously received credit. The final checking for duplicate courses is an individual student's responsibility. Neglect or oversight on the part of the student will result in the loss of a credit.

On-line and Distance Learning High School Courses

High school courses taken for high school credit on-line or by distance learning will require prior approval of the school administration.

Senior Information

Each student who will be a senior the next year has the responsibility to be certain that he/she is scheduled in all of the courses necessary to meet graduation requirements. His/her counselor will work in planning his/her schedule to meet these requirements, but the final responsibility of taking all of the required courses rests with the student.

Early Postsecondary Opportunities

Dual and joint/concurrent enrollment courses may be available to high school students who meet the requirements of state accredited institutions of higher learning which offer such programs. The cost of dual and joint/concurrent enrollment courses is the responsibility of the student.

Dual enrollment allows high school juniors and seniors to earn high school units and college credit upon successful completion of college courses. College/University credits will appear on the high school transcript to fulfill the diploma requirement for students Graduating with Distinction.

Dual Enrollment English I will substitute for Advanced English III

Dual Enrollment English II will substitute for Advanced English IV

Joint/Concurrent enrollment allows high school juniors and seniors to earn college credit for successful completion of college-level courses. Classes meet during non-school hours at any site designated by accredited institutions of higher education. College/University credits will appear on the high school transcript to fulfill the diploma requirement for students Graduating with Distinction.

Statewide Dual Credit is a high school course which is aligned to statewide postsecondary standards and is taught at the high school by high school faculty for high school credit. Courses and their accompanying challenge exams are created by Tennessee secondary and postsecondary faculty. Students who meet or exceed the established cut score set for the exam earn credits which can be applied to any public postsecondary institution in Tennessee.

National Industry Certification: Industry certifications (IC) are earned through secondary and postsecondary career and technical education programs and courses. High school students are encouraged to focus their elective credits on robust, career-aligned learning pathways. Robust learning pathways should culminate with the achievement of nationally recognized industry certifications, meaningful work-based learning experiences, and/or attainment of postsecondary credit hours through early postsecondary opportunities. As it pertains to industry certifications, all department-promoted certifications are aligned with postsecondary and employment opportunities and with the competencies and skills that students should have acquired through their chosen programs of study.

Advanced Placement (AP): The College Board's AP Program provides an opportunity for high school students to experience postsecondary-level coursework across multiple subjects. Each course is aligned to a subject-specific AP exam, which provides students the potential to earn credit for postsecondary coursework in that subject. All students enrolled in an AP course are required to take the AP exam. The cost of the exam is the responsibility of the student.

Students who participate in post-secondary course work during high school are more likely to enroll and complete a post-secondary credential and/or degree.

The Ready Graduate indicator serves as an accountability check of "school quality and student success." As proposed in Tennessee's Every Student Succeeds Act (ESSA) state plan, the Ready Graduate indicator would be calculated as follows:
• Graduation rate multiplied by the percentage of students who are Ready Graduates. A Ready Graduate meets one of the following criteria (students can only be "counted" once):

- score a 21 or higher on the ACT; OR
- complete four early postsecondary opportunities (EPSOs); OR
- complete two EPSOs + earn an industry certification (on a CTE pathway leading to a credential); OR
- complete 2 EPSOs + score a designated score TBD on the Armed Services Vocational Aptitude Battery (ASVAB) Armed Forces Qualifying Test (AFQT)

Advanced Manufacturing—Machining Technology Pathway

Principles of Manufacturing

Principles of Manufacturing is designed to provide students with exposure to various occupations and pathways in the Advanced Manufacturing career cluster, such as Machining Technology, Electromechanical Technology, Mechatronics, and Welding.

Principles of Machining I

Principles of Machining I is designed to provide students with the skills and knowledge to be effective in production environments as a machinist, CNC operator, or supervisor. Upon completion of this course, proficient students will demonstrate safety practices concerning machining technology, proper measurement and layout techniques, reading and interpreting drawings and blueprints, production design processes, and quality control procedures.

Principles of Machining II

Principles of Machining II is an advanced level contextual course that builds on the introductory skills learned in the entry-level manufacturing and machining courses, stressing the concepts and practices in a production environment supported by advanced machining and engineering facilities.

Manufacturing Practicum

Manufacturing Practicum is a capstone course intended to provide students with the opportunity to apply the skills and knowledge learned in previous Advanced Manufacturing courses within a professional, working environment.

Agriculture, Food & Natural Resources Pathway

Agricultural Power and Equipment

Agricultural Power and Equipment is an applied course in agricultural engineering with special emphasis on laboratory activities involving small engines, tractors, and agricultural equipment. The standards in this course address navigation, maintenance, repair, and overhaul of electrical motors, hydraulic systems, and fuel-powered engines as well as exploration of a wide range of careers in agricultural mechanics.

Prerequisites: Agriscience and Agriculture Mechanics

Agriculture Mechanics

Principles of Agriculture Mechanics is an intermediate course introducing students to basic skills and knowledge in construction and land management for both rural and urban environments. This course covers topics including project management, basic engine and motor mechanics, land surveying, irrigation and drainage, agricultural structures, and basic metalworking techniques.

Prerequisites: Agriscience

Agriscience

Agriscience is an introductory laboratory science course that prepares students for biology, subsequent science and agriculture courses, and postsecondary study. This course helps students understand the important role that agricultural science and technology plays in the twenty-first century.

Greenhouse Management

Greenhouse Management is an applied-knowledge course designed to prepare students to manage greenhouse operations. This course covers principles of greenhouse structures, plant health and growth, growing media, greenhouse crop selection and propagation, and management techniques. Upon completion of this course, proficient students will be equipped with the technical knowledge and skills needed to prepare for further education and careers in horticulture production.

Architecture and Construction

Fundamentals of Construction

Fundamentals of Construction is a foundational course in the Architecture & Construction cluster covering essential knowledge, skills, and concepts required for careers in construction. Upon completion of this course, proficient students will be able to describe various construction fields and outline the steps necessary to advance in specific construction careers. Students will be able to employ tools safely and interpret construction drawings to complete projects demonstrating proper measurement and application of mathematical concepts.

Carpentry I (Structural Systems I)

Structural Systems I prepares students for careers in residential and commercial carpentry. Upon completion of this course, proficient students will be able to demonstrate knowledge and skill in framing buildings. Students will be able to frame floors, walls, ceilings, roofs, and stairs while safely employing tools and interpreting construction drawings to complete projects. Emphasis is placed on demonstrating proper measurement and application of mathematical concepts.

Carpentry II (Structural Systems II)

Structural Systems II is an advanced-level course that builds on the introductory skills learned in the Fundamentals of Construction and Structural Systems I courses. This course will explore advanced framing, the physics of structural loads, and the coverings and finishes of structural systems. Upon completion of this course, proficient students will be able to install interior and exterior finishing, including roofing, siding, thermal and moisture protection components, drywall, doors, and trim.

Construction Practicum

Construction Practicum is a capstone course intended to provide students with the opportunity to apply the skills and knowledge learned in previous Architecture & Construction courses within a professional, working environment. In addition to developing an understanding of the professional and ethical issues encountered by tradesmen and contractors in the workplace, students learn to refine their skills in problem solving, communication, teamwork, and project management in the completion of a course-long project.

Business and Office Management Pathways

Accounting I

Whether it is your personal finances, you plan to start your own business, or you want to become an Accountant for a company, this course is for you! This is an essential course for students who wish to pursue careers in business and finance.

Accounting I 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. Upon completion of this course, proficient students will be prepared to apply their accounting skills at the postsecondary level.

Prerequisites: Earned credit in Computer Applications and Algebra I

Advanced Computer Applications

This is a capstone course in which you will learn necessary skills in problem solving using current and emerging integrated technology to include a variety of input technologies in the production of professional quality business documents and presentations. The course focuses on student choice, accountability, and performance.

You will increase your employability by working toward the attainment of high-level skills in the areas of integrated software applications, communication skills, ethical issues, human relations, leadership, self-management, and workplace management. Students will be prepared to achieve the Microsoft Office Specialist industry certification certification in Word, Excel, PowerPoint and Access. This course may articulate to post-secondary education.

Prerequisite: Earned credit in Computer Applications

Dual Enrollment Advanced Computer Applications (Murray State University)

CSC 199 Introduction to Information Technology (3 credit hours). This course is designed for students pursuing any post-secondary program of study. A student taking this course will gain competency with file management, word processing, spreadsheet, database management, and presentation graphics software. In addition, the student will become familiar with general computer technology such as computer hardware, computer operations, networks, the Internet and the World Wide Web. This course can be counted towards the Office Management focus of study. You will learn necessary skills in problem solving using current and emerging integrated technology to include a variety of input technologies in the production of professional quality business documents and presentations in this capstone course. Students will be prepared to achieve the Microsoft Office Specialist industry certification. The course focuses on student choice, accountability, and performance.

Prerequisite: Earned credit in Computer Applications. Students must be a high school junior or senior. Must have a 3.0 grade point average or rank in the top half of their class. Students must have achieved an ACT Math score of 19.

Business Management

Do you plan to own your own business someday—or are you interested in the possibility? Using fun and exciting projects, you will create a business plan for your chosen business.

Students in Business Management will develop a foundation in the many activities, problems, and decisions that are intrinsic to the management of a successful business, as well as an appreciation for the importance of these responsibilities. Areas to be examined include business organization, ethical and legal responsibilities, communication, business financials, marketing strategies, decision-making, personnel, safety, professional development and related careers. By gaining an understanding of these areas, you will be better prepared to enhance the business decisions of tomorrow.

Prerequisites: Earned credit in Computer Applications

Computer Applications

In today's society, typing is the key to getting a great job and assists in being successful in academic areas. Learning to key and format, such as MLA papers and proper formats for business documents, will be helpful in high school and post-secondary education experiences. Most jobs require some degree of computer work, and knowing how to type accurately and efficiently will make you more marketable. Learning to type is an investment in your career future.

This course is designed to develop computer technology skills. You will use a variety of computer software and hardware tools and features of an electronic information network. Explore the historical, social and ethical issues of using computer technology. You will develop productivity skills in word processing, spreadsheet, and presentation software applications that are in demand in the workplace as well as useful in completing academic work.

Digital Business Communications

Do you enjoy social media, graphic design, communicating in the digital world? This class is for you!

This course prepares students for oral and electronic business communications in the 21st century including social media as well as developing skills in electronic publishing, design, layout, composition, and video conferencing. Emphasis will be placed on social media, design and digital communications. Students will review and practice successful styles and methods for professional business communications using the proper tools to deliver effective publications and presentations.

Prerequisite: Earned/earning a credit in Computer Applications

Dual Enrollment Economics (Murray State University)

ECO 190 Economics (3 hours). This course prepares the students to manage his or own personal financial affairs in a competent manner in an ever changing global economy. This course also provides a foundation for later study and work in the financial planning field. Meet your high school Economics graduation requirement while earning college credit at the same time.

Prerequisites: Must be a high school junior or senior. Must have a 3.0 grade point average or rank in the top half of their class.

Introduction to Business and Marketing

This introductory course will give you a great start to a Business or Finance Path of Study!

Introduction to Business and Marketing is an introductory course designed to give students an overview of the Business Management and Administration, Marketing, and Finance career clusters. The course helps 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.

Prerequisite: Earned/earning a credit in Computer Applications

SC Corner Store--Work Based Learning Career Practicum (School Based Enterprise)

Learn practical real world skills of retailing, marketing, and accounting while working in a retail setting. Become familiar with the sublimation printing and pressing process used for customized merchandise. Assist with the design and creation of customized merchandise. The definition, by the State of Tennessee is a school-based enterprise is an experience in which students, as part of their school program, produce goods and services. Students are engaged in many aspects of the business. Develop your employability skills and gain valuable work experience. Prerequisites: Business and Office Management Pathway. Teacher approval required.

Bonanza Yearbook--Work Based Learning Career Practicum (School Based Enterprise)

Interested in photography skills? Business skills? Technology skills? Marketing skills? Communication skills? Life skills? Learn 30 real world skills in ONE yearbook class.

In this 21st century, cross curricular, project-based class, students work collaboratively by using technology such as digital cameras, photo editing software and online design software to digitally produce a yearbook. Students use writing skills, communication skills and creativity to tell the story of the school community and peers in an engaging way. Students demonstrate knowledge of graphic design and think creatively when organizing information within the yearbook. In this college and career ready course, students think critically to meet deadlines, track goals and utilize multimedia to market and disseminate information that aligns with and models an actual business.

Prerequisites: Earned credit in Computer Applications. Students must be in grades 9-12. Teacher approval is required following a competitive application process. For students in the Business and Office Management Pathway this can serve as a Work-Based Learning opportunity.

Engineering (STEM)

Principles of Engineering and Technology

Principles of Engineering and Technology is a foundational course in the STEM cluster for students interested in learning more about careers in engineering and technology. This course covers basic skills required for engineering and technology fields of study. Upon completion of this course, proficient students are able to identify and explain the steps in the engineering design process. They can evaluate an existing engineering design, use fundamental sketching and engineering drawing techniques, complete simple design projects using the engineering design process, and effectively communicate design solutions to others.

Engineering Design I

Engineering Design I is a fundamental course in the STEM cluster for students interested in developing their skills in preparation for careers in engineering and technology. The course covers essential knowledge, skills, and concepts required for postsecondary engineering and technology fields of study. Upon completion of this course, proficient students are able to describe various engineering disciplines, as well as admissions requirements for postsecondary engineering and engineering technology programs in Tennessee. They will also be able to identify simple and complex machines; calculate various ratios related to mechanisms; explain fundamental concepts related to energy; understand Ohm's Law; follow the steps in the engineering design process to complete a team project; and effectively communicate design solutions to others.

Prerequisites: Principles of Engineering and Technology

Engineering Design II

Engineering Design II is an applied course in the STEM career cluster for students interested in further developing their skills as future engineers. This course covers knowledge, skills, and concepts required for postsecondary engineering and technology fields of study.

Fine Arts (Visual and Music)

Basic Art Techniques and Processes (Art I)

A course provides an introduction to multi-media experience such as drawing, painting, ceramics, and other mediums while applying the elements of art to produce creative art projects that reflect an understanding of art and art history.

Intermediate Art Techniques and Processes (Art II)

A concentrated course over creating two-dimensional and three-dimensional artwork. You will gain a general knowledge over certain areas of two-dimensional and three-dimensional art along with applying the elements of art and the principles of design. A history of the visual arts from cultures throughout the world, from 13th to 21st centuries, that examine works of art within their social, political, economic, religious, technological, and philosophical contexts. This course provides a multi-media experience such as drawing, painting, ceramics, and other mediums while applying the elements of art to produce creative art projects that reflect your understanding of these time periods.

Advanced Art Techniques and Processes (Art III)

An in-depth study of selected mediums of art, including techniques, processes, and/or art criticism. Selected topics will be project based with large amounts of time spent in the studio. The course provides an independent study of art through a multi-media experience such as drawing, painting, ceramics, and other mediums. Students will learn and apply the elements of art, principles of design, and art history to produce creative art projects that reflect their understanding of these advanced techniques and processes. An in-depth study of selected topics in the history of art, including specific artists, stylistic movements, and/or art criticism. Selected topics will be project based with large amounts of time spent in the studio. The special topics will be over certain areas of art history through a multi-media experience such as drawing, painting, ceramics, and other mediums. You will gain a specialized knowledge of the areas studied while applying the elements of art and principles of design to produce creative art projects that reflect your understanding of these time periods. This course also works like an independent study where you are encouraged to develop concepts and ideas on your own from the guidelines for the project.

Sculpture II

Sculpture II promotes creative expression through three-dimensional works. This course explores representational and abstract sculpture through subtractive (carving), additive (modeling), and assemblage techniques in one or more media. Sculpture II typically includes the production of representational and abstract sculptures while incorporating elements of art and principles of design, along with a study of historical and contemporary sculpture and sculptors from a worldwide perspective. This course also provides instruction in the process of responding to art through analysis, critique, and interpretation for the purpose of reflecting on and refining work.

General Music

General Music is a course designed to give students in grades 9-12 a broad exposure to various topics in music, including, elements, history, and role of music in society from the Middle Ages - Modern Era. Our studies will cover a wide range of musical topics and styles. Students will also be exposed to the foundations of music theory and will apply them through performance on instruments and composition projects utilizing technology.

Instrumental Band

This class is for members of the Symphonic Band. Students will develop large ensemble skills in this class through performance. Emphasis is placed on improving music reading skill and instrumental techniques through appropriate band literature and sight reading. The class places importance on individual music performance, music theory, and ear training. Participation in concerts and performances is required.

Prerequisite: Successful participation in band at the middle school level.

Music Theory

Music theory is designed to expose students to fundamental music theory, aural skills, dictation, sight singing, and basic part writing. Students will be challenged in applying this material in the analysis of real literature examples. This course is especially recommended for those wanting to pursue a career in music performance or education, but it is open to any student wanting to understand how music works.

Prerequisite: No prerequisite.

Vocal Music

Besides our main goal of becoming a top-notch high school choir, this course will also teach you basic music theory, vocal technique and vocal health. Much of our class time will be spent rehearsing music to be performed at concerts. Individual musicianship will be developed through music performance, music theory, and ear training. Participation in concerts and performances is required.

Prerequisite: The desire to become a better singer.

Theatre Arts

Theatre Arts introduces and explores the history of the theatrical stage as a performing art. Topics include the evolution and history of drama, the relationship between theater and society, and the construction of dramatic structure, theatrical representation, and the artistic crafts of theater. Students should expect to engage in classroom and stage performances.

Health Science Pathway

Anatomy and Physiology

Anatomy and Physiology is a course in which students will examine human anatomy and physical functions. They will analyze descriptive results of abnormal physiology and evaluate clinical consequences. A workable knowledge of medical terminology will be demonstrated. A&P students majoring in a health career at the postsecondary level will benefit greatly from this course.

Emergency Medical Services

Emergency Medical Service (EMS) is designed for students interested in a career in pre-hospital or emergency patient care. Standards include EMS knowledge and hands-on skills combined with online textbook assignments and testing. Career options may include emergency room physician, emergency medical technician, paramedic, or emergency room nurse.

Health Science Education

This is the first course in all programs of study in the Health Science career cluster.

Health Science Education is an introductory course designed to prepare students to pursue careers in the fields of biotechnology research, 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.

Medical Therapeutics

Medical Therapeutics prepares students to pursue careers in therapeutic and nursing services. Upon completion of this course students will be able to identify careers; assess, monitor, evaluate, and report patient/client health status; and identify the purpose and components of treatments. Areas of focus include career planning, infection control, microbiology, medical law and ethics, and community health.

History

AP US History

This course is designed to provide students with the analytic skills and factual knowledge necessary to deal critically with the problems and materials in U.S. History. The program prepares students for intermediate and advanced college courses by making demands upon them equivalent to those made by full-year introductory college courses. Students should learn to assess historical materials – their relevance to a given interpretive problem, reliability, and importance – and to weigh the evidence and interpretations presented in historical scholarship. Each student will be required to take the AP assessment created by the College Entrance Examination Board. The cost of the exam is determined by the College Board.

World History (1750 – present)

Students will study the rise of the nation state in Europe, the French Revolution, American Revolution, Civil War, and the economic and political roots of the modern world. They will examine the origins of the Industrial Revolution. They will explain the causes and consequences of the great military and economic events of the past century, including the World War I, the Great Depression. Finally, students will study the rise of nationalism and the continuing persistence of political, ethnic, and religious conflict in many parts of the world. Relevant Tennessee connections will be part of the curriculum, as well as appropriate primary source documents. Students will study the economic and political roots of the modern world. They will examine the consequences of the Industrial Revolution, nineteenth century political reform in Western, the causes and consequences of the great military and economic events of the past century, including the World War II, the Great Depression, and the Cold War. Finally, students will study the rise of nationalism and the continuing persistence of political, ethnic, and religious conflict in many parts of the world. Relevant Tennessee connections will be part of the curriculum, as well as appropriate primary source documents. This course is for students from ninth to twelfth grade to fulfill social studies requirement for graduation.

US History

Students will examine the causes and consequences of the Industrial Revolution and America's growing role in world diplomatic relations, including the Spanish American War and World War I. Students will study the goals and accomplishments of the Progressive movement and the New Deal. Students will also learn about the various factors that led to America's entry into World War II, as well as its consequences for American life. Students will explore the causes and course of the Cold War. Students will study the important social, cultural, economic, and political changes resulting from the Civil Rights Movement, the Cold War, and recent events and trends that have shaped modern-day America. Additionally, students will learn the causes and consequences of contemporary issues impacting their world today. 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.

Government

Students will study the purposes, principles, and practices of American government as established by the Constitution. Students are expected to understand their rights and responsibilities as citizens and how to exercise these rights and responsibilities in local, state, and national government, specifically the election process and those elected. Students will learn the structure and processes of the government of the state of Tennessee and various local governments. This course fulfills the Government Class requirement for graduation and is designed for juniors and seniors. This class is usually taken with or in the same year as Economics.

Economics

Students will examine the allocation of scarce resources and the economic reasoning used by government agencies and by people as consumers, producers, savers, investors, workers, and voters. Key elements of the course include the study of scarcity, supply and demand, market structures, the role of government, national income determination, money and the role of financial institutions, economic stabilization, and trade. Students will examine the key economic philosophies and economists who have influenced the economies around the world in the past and present. Informational text and primary sources will play an instrumental part of the study of economics where it is appropriate. This course fulfills the Economic Class requirement for graduation and is designed for juniors and seniors. . This class is usually taken with or in the same year as Government.

Personal Finance

Personal Finance is a course designed to inform students 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. This course is a graduation requirement.

AP Human Geography

AP Human Geography at our school is a year-long course designed to meet or exceed the experience of an introductory one-semester college human geography course. The purpose of the course is to utilize geographic processes to systematically study and understand spatial patterns that are evident in the world in which we live. This course fulfills the social studies elective requirement for graduation and is designed for freshmen and sophomores. Each student will be required to take the AP assessment created by the College Entrance Examination Board. The cost of the exam is determined by the College Board.

Human Services Pathway

Cosmetology is designed to prepare students for careers within the personal care industry, including hairstylist, colorist, and nail technician. The courses in the program of study cover the safety procedures in salon environments, principles of hair design, nail structures, and chemistry of color application. Students may acquire hours to transfer to a postsecondary institution to complete the requirements needed to be eligible to take the Tennessee State Board of Cosmetology examination for a Tennessee Cosmetology License. Upon completion of 300 hours, students are eligible to take the Tennessee State Board of Cosmetology Shampooing examination for a Shampoo Technician License.

Cosmetology I

Cosmetology I is the foundational course in the Human Services career cluster for students interested in learning more about becoming a cosmetologist. Upon completion of this course, proficient students will gain knowledge in the fundamental skills in both theory and practical applications of cosmetology practices. Laboratory facilities and experiences simulate those found in the cosmetology industry. Upon completion and acquisition of 1500 hours, students are eligible to take the Tennessee Board of Cosmetology Examination to attain a Tennessee Cosmetology License. Artifacts will be created for inclusion in a portfolio, which will continue throughout the full sequence of courses.

Cosmetology II

Cosmetology II is the second course in the Cosmetology program of study intended to prepare students for careers in cosmetology by developing an understanding of efficient and safe work practices, nail procedures, hair design, and chemical services. Students will gain experience in practical applications of cosmetology practices. Laboratory facilities and experiences simulate those found in the cosmetology industry. Upon completion and acquisition of 1500 hours, students are eligible to take the Tennessee Board of Cosmetology Examination to attain a Tennessee Board of Cosmetology Examination to attain a Tennessee Cosmetology License. Artifacts will be created for inclusion in a portfolio, which will continue throughout the full sequence of courses.

Cosmetology III

Cosmetology III is the third course in the Cosmetology program of study intended to prepare students for careers in cosmetology by developing an understanding of efficient and safe work practices, salon business concepts and operations, advanced hair techniques and chemical services, and facial and skin care procedures. Students will gain experience in practical applications of cosmetology practices. Laboratory facilities and experiences simulate those found in the cosmetology industry. Upon completion and acquisition of 1500 hours, students are eligible to take the Tennessee Board of Cosmetology Examination to attain a Tennessee Cosmetology License. Artifacts will be created for inclusion in a portfolio, which will continue throughout the full sequence of courses.

Language Arts

English I

In this preparatory course, students will enhance their reading, writing, speaking, and listening skills as they study fiction, nonfiction, poetry, and drama. English I begins to lay the foundation for the rest of a student's English career at SCHS as well as college and career readiness beyond high school.

Honors English I

This advanced academic course seeks to accomplish the student's maximum abilities in the creative and intellectual analysis of the literature and writing. Students can expect this course to be fast-paced and to require them to use higher-level thinking skills. Students should expect formal writing assignments that will help them explore the characteristics of literature that are constant and universal. It will be imperative that students are prepared to be challenged and to work diligently. Because the level of content for the course is extensive, students should expect to complete coursework independently and have the work ethic to guide their endeavors. Course work will include reading four classic novels along with other selections. Students are expected to have completed a Summer Reading List by the first day of school. Students planning to attend college are strongly recommended to take this course.

English II

Students in English II will analyze fiction and non-fiction texts with a heavy emphasis on informational texts. The curriculum includes close reading of texts, language and grammar skills, writing (argumentative, informative, narrative), research paper writing, and project-based learning. The emphasis in English II is on World Literature with critical analysis of texts through reading, writing, speaking, listening, and using media. English II curriculum will prepare students for college and career through the strengthening of reading comprehension and language skills.

Honors English II

Students in Honors English II will analyze fiction and non-fiction texts with a heavy emphasis on informational texts. The curriculum includes close reading of texts, language and grammar skills, writing (argumentative, informative, narrative), research paper writing, and project-based learning. The emphasis in English II is on World Literature with critical analysis of texts through reading, writing, speaking, listening, and using media. English II curriculum will prepare students for college and career through the strengthening of reading comprehension and language skills. **Honors English II students must complete independent reading, independent research projects, and more intensive and challenging study.**

English III

Students in English III will integrate all the language arts skills gained throughout their education. The curriculum both affirms these skills and equips the students to be life-long learners. Students continue to explore expressive, expository, argumentative, and literary contexts with a focus on American literature. The emphasis in English III is on critical analysis of texts through reading, writing, speaking, listening, and using media. In addition, the students will:

- express reflections and reactions to texts
- explain principles inspired by the curriculum
- interpret and qualify texts
- research and address issues of public or personal concern
- create products and presentations which maintain standard conventions of the written and spoken language

Pre-requisite: English II

AP English Language & Composition

AP English Language and Composition is an introductory college-level composition course. Students cultivate their understanding of writing and rhetorical arguments through reading, analyzing, and writing texts as they explore topics like rhetorical situation, claims and evidence, reasoning and organization, and style. **SUBSTITUTES FOR HONORS ENGLISH III**

English IV

Students in English IV will integrate all the language arts skills gained throughout their education. The curriculum both affirms these skills and equips the students to be life-long learners. Students continue to explore expressive, expository, argumentative, and literary contexts with a focus on British literature. The emphasis in English IV is on critical analysis of texts through reading, writing, speaking, listening, and using media. In addition, the students will:

- express reflections and reactions to texts
- explain principles inspired by the curriculum
- interpret and qualify texts
- research and address issues of public or personal concern
- create products and presentations which maintain standard conventions of the written and spoken language

Pre-requisite: English III

English IV Honors

Honors English IV is an advanced course that challenges students with a rigorous and intensive study of British literature as well as an in depth study of the writing process. The curriculum is designed to engage highly-motivated students and encourages life-long learning. Students will be required to write regularly and in response to both fiction and nonfiction texts. Students will be prepared for college and career through the strengthening of their critical thinking skills and ability to thoroughly analyze complex texts. Students in this course will complete independent research and reading assignments.

Spanish I

Spanish I will provide the student with a general introduction to the Spanish language: sound system, pronunciation, functional vocabulary related to everyday life, cultural information and basic grammatical structures. Emphasis will be on the acquisition of four skills: listening, speaking, reading and limited writing. There are two main objectives to the course. Foremost is to give the students the ability to carry on a simple conversation. The second is to provide the students with instruction that teaches a basic understanding of Spanish culture, vocabulary, and grammatical concepts.

Spanish II

Spanish II begins to dig deeper into more complicated grammatical structures and has less focus on vocabulary memorization. Students will begin to write extensively as well as have longer conversations in Spanish with their teacher and classmates. Also, students will continue to learn about Hispanic cultures around the world.

Prerequisites: Spanish I

Criminal Justice and Correction Services Pathway

Criminal Justice I

Criminal Justice I is the second course in Law Enforcement Services and the Legal and Correctional Services programs of study. It serves as a comprehensive survey of how the law enforcement, legal, and correctional systems interact with each other in the United States. Upon completion of this course, proficient students will understand the context of local, state, and federal laws, have investigative skills pertaining to basic crime scenes and incident documentation, and understand the importance of communications and professionalism in law enforcement.

Criminal Justice II

Criminal Justice II is an integrated survey of the law and justice systems for students interested in pursuing careers in law enforcement and legal services. From initial crisis scenario management to arrest, transport, trial, and corrections, procedures and laws governing the application of justice in the United States are examined in detail, with special emphasis on the best practices and professional traits required of law enforcement and legal professionals. Upon completion of this course, proficient students will be prepared for advanced work in crime scene analysis and forensic science, and have strong knowledge and skill preparation for postsecondary or career opportunities in associated fields.

Criminal Justice III: Investigation

Criminal Justice III: Investigations is the final course designed to equip students with the knowledge and skills to be successful in the sciences of criminal investigations. Students will learn terminology and the investigation skills related to the crime scene, aspects of criminal behavior, and applications of the scientific inquiry to solve crimes. By utilizing the scientific inquiry method, students will obtain and analyze evidence through simulated crime scenes and evaluation of case studies. Upon completion of this course, proficient students will be able to identify careers forensic science and criminology, summarize the laws that govern the application of forensic science, and draw key connections between the history of the forensic science system and the modern legal system.

Criminal Justice Practicum

Criminal Justice Practicum is a capstone course in the Law Enforcement and Correction Services program of study that provides a practicum experience for students as they develop an understanding of professional and ethical issues.

Mathematics

College Algebra/Intro to Statistics Dual Enrollment Mathematics

Final placement in the class will be based on Spring ACT (College Algebra Math Sub-score of 19 or higher) (Intro to Stats Math Sub-score of 19, English Sub-score of 18 and Reading Sub-score of 19).

In collaboration with Austin Peay State University, Stewart County High School offers Dual Enrollment Math to provide the opportunity to earn college Math credit while still in high school. Students will learn a study of functions and their representations with emphasis on the use of functions in problem-solving and modeling contexts. They will also learn measures of central tendency and dispersion for descriptive statistics, estimations of confidence intervals for means and proportions and probability distribution.

Algebra I

Algebra I is a mandatory class, which satisfies one of the four math credits required for graduation. All topics covered are aligned with the TN Ready Algebra I standards, which include: relations, functions, graphing, systems of equations, factoring and quadratics.

Algebra II

Algebra II is a required class which satisfies one of the four math credits needed for graduation. Topics are aligned with the TN Ready standards which include: functions, quadratics, polynomials, radicals and probability.

Prerequisites: One credit in Algebra I and one credit in Geometry

Honors Algebra II

Algebra II is a required class which satisfies one of the four math credits needed for graduation. Topics are aligned with the TN Ready standards which include: functions, quadratics, polynomials, rationals, radicals, logarithms, probability and trigonometry. This class will work at a faster pace than regular Algebra 2 and delve deeper into each topic.

Prerequisites: One credit in Honors Algebra I and one credit in Honors Geometry or instructor approval

Bridge Math

Bridge Math is a senior math course, which can satisfy one of the four math credits required for high school graduation. All coursework covered is aligned with the TN State standards, which include the following: rational and radical functions, simple and compound interest, measuring area, circumference, and volume of geometric figures, right triangle trigonometry, probability of events, ratios, proportions and their applications, linear and inequality functions, polynomial and non-polynomial functions, and data analysis.

Prerequisites: Earned credit in Algebra I, Geometry, and Algebra II

Geometry

Geometry is a state required course, which satisfies one of the four math credits required for high school graduation. All coursework covered is aligned with the TN Ready standards, which include the following: constructions, transformations, congruency of figures, similar figures, proofs of theorems, geometric figures (triangles, quadrilaterals, and circles), trigonometric ratios, and volume of figures. **Prerequisites:** Earned credit in Algebra I

Honors Geometry

Honors Geometry may be taken in place of their Geometry credit. All coursework covered is aligned with the TN Ready standards, which include the following: constructions, transformations, congruency of figures, similar figures, proofs of theorems, geometric figures (triangles, quadrilaterals, and circles), trigonometric ratios, and volume of figures. **Prerequisites:** Earned credit in Honors Algebra I

SDC Precalculus

This course will focus on enhancing students' foundational understanding of algebra and trigonometry. The course concentrates on the various functions that are important to the study of calculus. The primary emphasis is on polynomial, piecewise, exponential, logarithmic, and trigonometric functions. Students will learn to work with these various types of functions in analytical, graphical, numeric, and verbal form.

Prerequisites: Honors Algebra II **Preferred:** Math ACT score 24 or higher

Nutrition and Dietetics Pathway

Introduction to Human Studies

Do you ever wonder why you do certain things and the reason you react the way you do? Introduction to Human Studies can help you gain information on answers to these topics. After completing this class you will have a better knowledge of self-development, goal setting, future career paths, and effective ways to communicate with others.

Nutrition and Food Preparation (Foods I)

Bacon sizzling. Cookies baking. Wonderful aromas fill the hall. You have encountered the aftermath of the Nutrition and Foods class. This course allows students to gain a better knowledge of basic nutrition that is vital to the development and overall health of an individual. In addition, students will experience the cooking world through the hands-on lab activities and will develop skills needed to maintain a healthy life through the world of food.

Nutrition Science (Foods II)

As nutrition and health becomes a growing concern in individuals, what better way to gain an understanding of the importance than through hands on experiments? Foods that you consume have a lasting impact on the health status of each person. Throughout the class, students will have the opportunity to experiment with foods to evaluate the effects on the body. You will also gain further knowledge on the cooking processes of various foods and learn how to cook foods that are unfamiliar.

Prerequisite: Earned a credit in Nutrition and Food Preparation

Human Services Practicum

Human Services Practicum is a capstone course in the Human Services career cluster that provides a practicum experience for students as they develop an understanding of professional and ethical issues.

Physical Education

Baseball Must be a member of the baseball team.

Boy's Basketball Must be a member of the boys basketball teams.

Girl's Basketball Must be a member of the girls basketball teams.

Football Must be a member of the football team.

Softball Must be a member of the softball team.

Personal Fitness (Physical Fitness)

Personal Fitness is designed to investigate and apply the basic concepts and principles of lifetime physical fitness and other health-related factors. Students will be introduced to what it means to live a healthy lifestyle and how to maintain a healthy life style Personal Fitness demonstrates how eating right and moderate physical activity help students live healthy physically fit lives.

Lifetime Wellness

Lifetime Wellness is a holistic approach to health and lifetime physical activities. The content of the course include but not limited to: Mental/Emotional/Social Health, Disease Prevention and Control, Nutrition, Substance Use and Abuse, Safety and First Aid and Personal Fitness and Body Systems. Each content area is addressed in a classroom and/or physical activity setting. Students acquire knowledge and skills necessary to make informed decisions regarding their health and well-being throughout their lifetime.

Science

Biology I

Biology is the study of living organisms. Students will investigate the following standards set forth by the state of Tennessee: the inner workings of cells, the interactions of organisms and their environment, the flow of energy through respiration and photosynthesis, heredity and genetic engineering, the diversity of organisms and biological evolution. The course will be taught with an emphasis on reading, written work, activities, laboratories, technology, and relevancy to major life issues. Students will take the state End of Course Exam at the conclusion of the course.

Honors Biology I

This is a more in-depth study of the topics presented in biology. Students will be asked to integrate scientific facts into abstract processes. As an honor's course, additional rigor will be provided by requirement of one or more extended reading and writing assignments related to the course content or by deeper investigation through research and/or lab investigations. Students will take the state End of Course Exam at the conclusion of the course.

AP Biology and Biology II

This course is aligned to the College Board AP Biology Curriculum Framework and is based on eight units (Chemistry of Life, Cell Structure and Function, Cellular Energetics, Cell Cycle, Heredity, Gene Expression and Regulation, Natural Selection, Ecology) which encompass core scientific principles, theories, and processes. Twenty-five percent of instructional time is devoted to hands-on laboratory work and inquiry-based investigations which require students to ask questions, make observations and predictions, design experiments, statistically analyze data, and construct evidence based arguments in collaboration with their lab team.

The program prepares students for intermediate and advanced college courses by making demands upon them equivalent to those made by full-year introductory college courses and is designed to prepare students for the Biology College Board Advanced Placement Exam taking place in May. Students who pass the Exam with a qualifying score are eligible to receive college credits. Each student will be required to take the AP assessment created by the College Entrance Examination Board. The cost of the exam is determined by the College Board.

Prerequisite: Junior or Senior. Credit in Biology (final grade of A or B in Honors or A in Regular) AND Credit in Chemistry (final grade of A) OR concurrent enrollment in Honors Chemistry I. (Note: Students who wish to take AP Biology as a sophomore must earn an A in Honors Biology, submit a written request, be recommended by their Honors Biology teacher.)

Chemistry I

Chemistry is a course that explores the properties of substances and the changes that substances undergo. Topics concentrate on four main areas: matter and its interactions, forces and interactions, energy, and waves and their applications in technologies for information transfer. Students gain an understanding of nomenclature, processes in terms of molecules, and laboratory techniques. Students will investigate atomic structure, properties of matter and energy, interactions of matter, properties of solutions, and acids and bases. This course emphasizes problem-solving and uses many algebraic math skills. Grade Level: 11-12 **Prerequisite:** Physical Science and Algebra I

Honors Chemistry I

Chemistry Honors is designed for students who have some background in atomic structure and writing chemical formulas and equations. Topics covered include reaction prediction, moles, stoichiometry, gas laws, atomic and molecular structure, solutions, thermodynamics, and acid-based theory. Chemistry is a math-based science course involving mathematical application, as well as abstract thinking skills and problem solving. Strong math and analytical thinking skills are required. It is strongly recommended that students be enrolled in honors math classes. As an honor's course, additional rigor will be required. Grade level: 11-12 **Prerequisite:** Completion of Honors Physical Science and concurrent enrollment in Honors math Teacher Recommendation Needed: Yes

Physical Science

Physical Science is a course that explores the relationship between matter and energy. It is an introduction to both chemistry and physics, with one semester spent on each of those areas. Students will investigate the structure and properties of matter, interactions of matter, force and motion, and energy transfer. Hands-on laboratory investigations, individual studies, and group activities will be used to help students learn the content. This course provides the foundation for future studies in chemistry and physics. Grade level: 10 **Prerequisite:** Completion of or concurrent enrollment in Algebra I

Honors Physical Science

Honors Physical Science is a course that explores the relationship between matter and energy. It is an introduction to both chemistry and physics, with one semester spent on each of those areas. Students will investigate the structure and properties of matter, interactions of matter, force and motion, and energy transfer. Hands-on laboratory investigations, individual studies, and group activities will be used to help students learn the content. This course provides the foundation for future studies in chemistry and physics. Grade level: 10 **Prerequisite:** Completion of or concurrent enrollment in Algebra I

Physics

Physics is a course that deals with the relationship between matter and energy. The following areas will be investigated: Mechanics, thermodynamics, waves and sound, light and optics, and electricity and magnetism. Using available materials and technology, students will carry out investigations using inquiry based learning, hands-on laboratory investigations, and observation of demonstrations. The course will emphasize problem solving skills which require excellent algebraic skills. There is much more emphasis on mathematics and additional rigor will be required. Grade level: 11-12

Prerequisite: Geometry and Algebra II (may be taken concurrently) Teacher Recommendation Needed: Yes

Education and Teaching Pathway

The “Reading Team” Student Teacher Apprentice

Be a leader in education with this hands-on opportunity.

Learning to read is so important to success in life. Join the Reading Team to visit Dover Elementary and North Stewart Elementary school to assist with teaching strategies to improve reading skills. You will be a Reading Coach for elementary children assigned to a grade to help teachers work with and grow better readers. The standards will be closely aligned with Fundamentals of Education with special opportunities for Juniors and Seniors to have a real life career experience.

Requirement: must be approved by teacher to take this course

Fundamentals of Education

Do you have a love of children? Do you love to talk and share what you know? Start your path to Education Expert with this beginning class.

Learn how to become a teacher, counselor, librarian, and speech pathologist, as well as many other school/education jobs. The class discusses children and their development, the history of education and techniques for actually working with children. Some hands-on experiences (visits to the elementary school) are included in this class.

Teaching As a Profession I

Helping people is the focus of TAP 1. The second step on your path to Education Expert.

As you become a teacher, guidance counselor, librarian, or speech pathologist, you will study ways to instruct and create effective teaching strategies. An in-depth study of Special Education and how students are served in this area of education is highlighted. Visits to the elementary schools will allow first-hand experience in this career.

Teaching As a Profession II

This is an in-depth analysis of the career of teacher/educator.

As an upper level class in the Education path, you will have extended opportunities to student teach and develop skills intended to help you become an effective communicator and presenter. The class will focus on topics such as classroom management, higher-order thinking techniques, and classroom planning. Upon completion of the class, you will have an in-depth knowledge of the art and science of teaching.

Prerequisites: Earned credit in Fundamentals of Education or Teaching as a Profession I

Teaching As a Profession Practicum

Teaching as a Profession (TAP) Practicum is a capstone course in the Education and Training career cluster for students interested in applying the knowledge and skills learned in previous courses toward becoming a teacher, school counselor, trainer, librarian, or speech-language pathologist.

Transportation Distribution & Logistics Pathway

Maintenance and Light Repair I

Students study safety, tools, equipment, shop operations, basic engine maintenance and basic technician skills.

Maintenance and Light Repair II*

Students study the service and maintenance of automotive general electrical systems, starting and charging systems, batteries, lighting, and electrical accessories.

Maintenance and Light Repair III*

Students study the service and maintenance of suspension systems, steering systems and brake systems.

Maintenance and Light Repair IV*

Students study the service and maintenance of automotive HVAC systems, engine performance systems, automatic and manual transmission/transaxles.

NOTE* MLR 1 preferred but not required

WBL Career Practicum

Career Practicum is a capstone course intended to provide students with opportunities to apply the skills and knowledge learned in previous CTE and general education courses within a professional work environment.

Other

Comprehensive Development Classroom

The Comprehensive Development Classroom is designed to meet the needs of high school students with the most significant disabilities. The overall goal of the program is to provide students with knowledge and skills that will help create a foundation for life as students graduate from high school. Instruction is designed to prepare students who need intensive help to make a successful transition from high school into adult life after high school. Each student's learning potential is maximized in all areas, which include functional reading, writing, math, science, social studies, communication, self-help, personal/social, and prevocational/vocational skills. We believe that every student has the potential to learn and grow into adults that are as independent as possible. This belief guides all instructional decisions.

Work-Based Learning

Do you want a sneak peak into a part of your future pathway? See what real work skills look like on the job? Develop your employability skills? All while earning credits? Work-Based Learning is a capstone class intended to provide students with an opportunity to apply the skills and knowledge learned in previous CTE and general education courses within a professional work environment. The course allows students to earn high school credit for select models of work-based learning, which allow students to interact with industry professionals in order to extend and deepen classroom work and support the development of postsecondary and career readiness knowledge and skills. Teacher and Administration approval is mandatory for this class. Seniors only.

Pre-requisite: Must have taken 2 classes within your Focus of Study

ACT Prep