

CONROE HS CAREER PATHWAYS

Conroe High School

WANT TO KNOW MORE ABOUT
CTE COURSES?



Want to know more about CTE courses?
[See the district site](#) or use the QR code.

PUBLIC SERVICE ENDORSEMENT

- JROTC
- Law Enforcement
- Cosmetology
- Early Learning Pathway
- Education and Training
- Health Science

JROTC

This course introduces students to the U.S. Armed Forces and the rights, responsibilities, privileges, and freedoms that underlie good citizenship. It helps students develop leadership skills, communications techniques, and the ability to work with others. Cadets develop a strong sense of pride in self, associates, school and community. They will also learn drill, physical conditioning, and skills associated with the military branch in which they are enrolled. Please refer to individual campus brochures for complete course information.

- **JROTC I**
- **JROTC II**
- **JROTC III**
- **JROTC IV**

**Fees may apply



*There is no military commitment or obligation to enlist in any branch of the military associated with this program. This is primarily designed to introduce the students to military structure and provide leadership experience while in high school.

LAW ENFORCEMENT

This pathway is an overview of the history, organization, and functions of local, state, and federal law enforcement. Students will gain understanding of the role of constitutional law, at local, state, and federal levels, the United States legal system, criminal law, law enforcement terminology, and the classification and elements of crime.

- **Law Enforcement I** 10th
- **Law Enforcement II** 11th
- **Correctional Services** 10th or 11th
- **Criminal Investigations** 11th or 12th
- **Forensic Science** 12th

Students enrolled in law enforcement classes can join the Criminal Justice SkillsUSA Association, a national association that allows students to compete in several different things such as felony traffic stops, building clearing, Crime Scene and some other job-related competitions.



COSMETOLOGY

Students MUST start this pathway their Sophomore year

Provides students with the basic specific classroom training needed to achieve their Texas Cosmetology License. Students will also be able to work on outside clientele for hands-on training. Students will be expected to purchase their beginners training kit during the first week of school. Students will be required to have completed 500 clocked hours before advancing to Cosmetology II.

- **Intro to Cosmetology** 10th
- **Cosmetology I** 11th (2 period class)
- **Cosmetology II** 12th (3 period class)
- **Important**
 - All graduation requirements must be met (FA, Health, FL, PE)
 - TDLR rules states students must attend everyday to meet requirements

Fees apply throughout the program and will vary depending on year the course is taken and requirements



EARLY LEARNING PATHWAY



Early learning provides students classroom instruction and laboratory experience to prepare for a career related to the care, guidance and education of preschool children. The Pre-Employment Laboratory Child Care Program allows student the opportunity to implement their lesson plans in an Early Education classroom located on the campus. Students learn to plan nutritious meals, follow safety procedures, determine guidance techniques and create educationally sound activities. In addition, students will explore careers related to Early Childhood education.

- **Principles of Education & Training** 9th
- **Child Development** 10th
- **Child Guidance** 11th (2 period class)
- **Practicum in Early Learning** 12th (2 period class)
 - Fees apply & MUST be 18 by January 1



EDUCATION & TRAINING



Education and Training provides students classroom instruction and laboratory experience to prepare for a career related to the care, guidance and education of children. This pathway will enable students to obtain a level 1 paraprofessional certificate.

- **Principles of Education & Training** 9th
- **Child Development** 10th
- **Instructional Practices** 11th (2 period class)
- **Practicum in Education and Training** 12th (2 period class)



HEALTH SCIENCES

Students **MUST** start this pathway their sophomore year

Health Science provides an overview of the therapeutic, diagnostic, health informatics, support services, and biotechnology research and development systems of the healthcare industry.

- **Principles of Health Science** 10th
- **Medical Terminology** 11th
- **Anatomy & Physiology** 11th or 12th
- **Health Science Theory with Clinicals** 12th
- **Pathophysiology** 12th



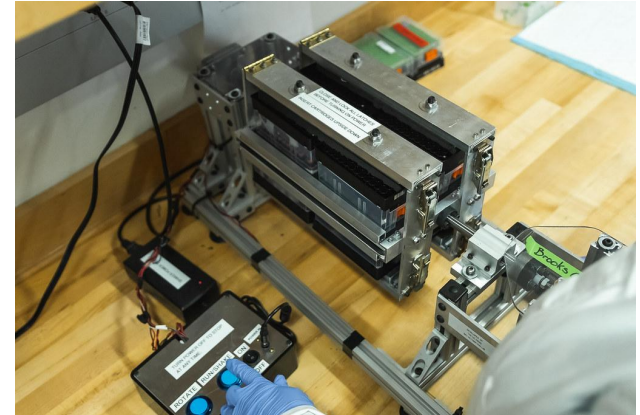
BUSINESS AND INDUSTRY ENDORSEMENT

- Applied Agricultural Engineering
- Animal Science
- Digital Art & Animation
- Architecture
- Digital Communication
- Auto Collision
- Auto Mechanics
- Interior Design
- Culinary Arts
- Graphic Design
- Business Management
- Marketing/Sales
- Plant Science
- Manufacturing Business (formerly Welding)

APPLIED AGRICULTURAL ENGINEERING

Develops proficiency in many welding skills. Students will be expected to use the cutting torch and MIG Welders. Welding in several positions, which include flat, horizontal, and vertical. The course develops an understanding of tool operation, electrical wiring, plumbing, carpentry, and metalworking techniques.

- **Principles of Ag, Food and Natural Resources** 9th
- **Agricultural Mechanics and Metal Technologies** 10th
- **Agricultural Structures Design and Fabrication** 11th (2 period class)



ANIMAL SCIENCE- VET MED



Develop and expand the knowledge and techniques skills pertaining to Veterinary Technical Assistant area. This course is designed as a laboratory oriented course that allows students hands-on experience within the area of diagnostic testing, client records, employer/employee relationship, and techniques used in surgical practices. Students are required to complete an internship with licensed Veterinarian in order to take the state certification test for Veterinary Assistant Level I.

- **Principles of Ag, Food and Natural Resources** 9th
- **Small Animal Management (.5) & Equine Science (.5)** 10th
- **Livestock Production** 10th or 11th
- **Veterinary Medical Applications** 11th or 12th
- **Advanced Animal Science** 12th



PLANT SCIENCE

This pathway focuses on science research and business of plants along with other living organisms. It teaches students how to apply biology and life science to real world life processes of plants and vegetation.

- **Principles of Ag, Food & Natural Resources** 9th
- **Horticulture** 10th or 11th
- **Floral Design** 10th or 11th
- **Advanced Floral Design** 11th or 12th

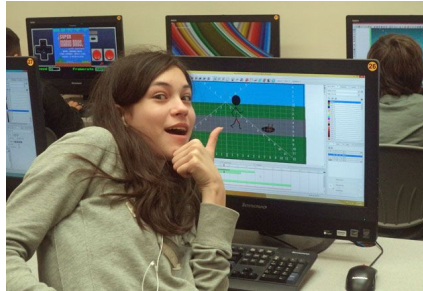
***Fee may apply



DIGITAL ART & ANIMATION

The principles of animation are studied and implemented in each successive project as students develop their understanding of various animation techniques and build their skills in each application. Students will use Adobe After Effects software for 2-dimensional animations, Maya, and 3DS Max. Students will design and produce animations and models for various media.

- **Principles of Arts, AV, Tech & Communications** 9th
- **Animation I** 10th
- **Animation II** 11th (2 periods)
- **Practicum in Animation** 12th (2 periods)



GRAPHIC DESIGN

Careers in graphic design and illustration span all aspects of the advertising and visual communications industries. Within this context, in addition to developing knowledge and skills needed for success in the Arts, Audio/Video Technology, and Communications Career Cluster, students will be expected to develop an understanding of the industry with a focus on fundamental elements and principles of visual art and design.

- **Principles of Arts, AV, Tech & Communications** 9th Grade
- **Graphic Design I** 10 or 11th Grade
- **Advanced Graphic Design** 11th or 12 Grade (2 period class)
- **Practicum in Graphic Design** 12th (2 period class)



DIGITAL COMMUNICATION

Students will be expected to develop an understanding of the audio and video industry with a focus on pre production, production and postproduction activities. Students will demonstrate how to frame and maintain picture composition, analyze the script and storyboard development processes for a successful production, and understand audio techniques, including microphone variances and sound mixing. Students will use character generators, fonts, colors, and principles of composition to create graphic images. Students will also create audio and video technology products for a variety of purposes and audiences.

- **Principles of Arts, AV, Tech & Communications** 9th
- **Audio & Video I** 10th
- **Advanced Audio & Video** 11th (2 period class)
- **Practicum in Audio & Video** 12th (2 period class)
- **Extended Practicum in Audio & Visual** (3 period class)



ARCHITECTURE

Students gain knowledge and skills specific to those needed to enter a career in architecture or prepare a foundation toward a postsecondary degree in architecture, construction science, drafting, interior design and landscape architecture. Architectural Design includes the design, design history, techniques, and tools related to the production of drawings, renderings and scale models for residential architectural purposes.

- **Principles of Architecture & Construction** 9th
- **Architectural Design** 10th
- **Architectural Design II** 11th (2 periods)
- **Practicum in Architecture** 12th (2 periods)



INTERIOR DESIGN

The Interior Design focus, as part of the Architectural Design and Drafting program of study, explores the occupations and educational opportunities associated with developing, engineering, and designing building structures and facilities. This program of study may also include exploration into collecting and interpreting geographic information, researching and preparing maps, and interior design.

- **Principles of Architecture & Construction** 9th
- **Interior Design** 10th
- **Interior Design II** 11th (2 periods)



WELDING

Welding provides the knowledge, skills, and technologies required for employment in metal technology systems. Students develop knowledge and skills related to this system and apply them to personal career development. This course supports integration of academic and technical knowledge and skills. Students will reinforce, apply, and transfer knowledge.

- **Intro to Welding** 10th
- **Welding 1** 11th (2 period class)
- **Welding 2** 12th (2 period class)



AUTO COLLISION

In this course, students will learn the processes, technologies, and materials used in the reconstruction of vehicles. This course is designed to teach the concepts and theory of systems related to automotive collision repair and refinishing as well as provide the student with information regarding employment opportunities and certification requirements in the field of collision repair. Priority is given to those who took small engine.

- **Small Engine** 10th
- **Collision Repair 1** 10th or 11th (2 period class)
- **Collision Repair 2** 11th or 12th (2 period class)



AUTO MECHANIC

This course includes knowledge of the major automotive systems and the principles of diagnosing and servicing these systems. This course includes applicable safety and environmental rules and regulations. Students will gain knowledge and the skills in the repair, maintenance, and diagnosis of vehicle systems. This student allows students to reinforce, apply, and transfer academic knowledge and skills to a variety of interesting and relevant activities, problems, and settings. The focus of this course is to teach safety, tool identification, proper tool use, and employability. Priority will be given to those that took small engine.

- **Small Engine** 10th
- **Auto Tech 1** 10th or 11th (2 period class)
- **Auto Tech 2** 11th or 12th (2 period class)



CULINARY ARTS

This laboratory-based course begins with the fundamentals and principles of the art of food preparation and includes management and production skills and techniques. Students can pursue a national sanitation certification and other appropriate industry certifications. The knowledge and skills required for careers in the restaurant, food, and beverage industry are practiced as food is prepared.

- **Intro to Culinary Arts** 9th
- **Culinary 1** 10th (2 period class)
- **Advanced Culinary Arts** 11th (2 period class)
- **Practicum in Culinary Arts** 12th (2 period class)

***Fees apply



MARKETING AND SALES

The Marketing & Sales program of study teaches CTE students how to collect information to determine potential sales of a product or service and/or create a marketing campaign to market or distribute goods and services. Through this program of study, student will learn the skills necessary to understand and apply data on customer demographics, preferences, needs, and buying habits.

- **Principles of Business, Marketing & Finance** 9th Grade
- **Sports & Entertainment Marketing (.5)** 10th Grade
- **Sports & Entertainment Marketing 2 (.5)** 10th Grade
- **Virtual Business (.5)** 11th Grade
- **Advertising (.5)** 11th Grade
- **Practicum of Marketing** 12th (approval required)



BUSINESS MANAGEMENT

The Business Management program of study teaches CTE learners how to plan, direct, and coordinate the administrative services and operations of an organization. Through this program of study, students will learn the skills necessary to formulate policies, manage daily operations, and allocate the use of materials and human resources. This program of study will also introduce students to mathematical modeling tools and organizational evaluation methods.

- **Principles of Business, Marketing & Finance** 9th Grade
- **Virtual Business (.5) & Global Business (.5)** 10th/11th Grade
- **Business Law** 11th/12th
- **Practicum in Management** 11th/12th



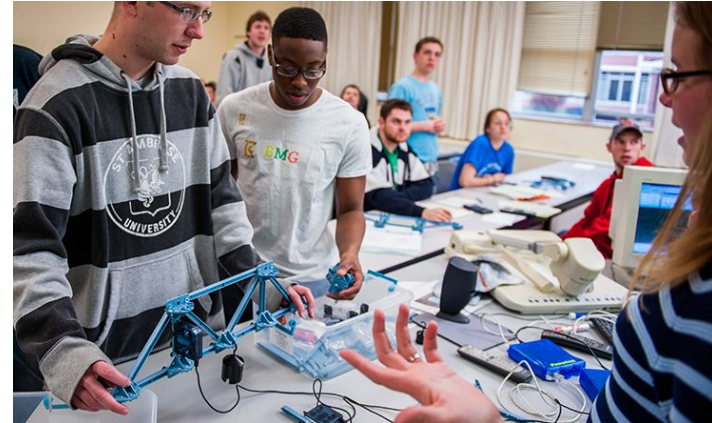
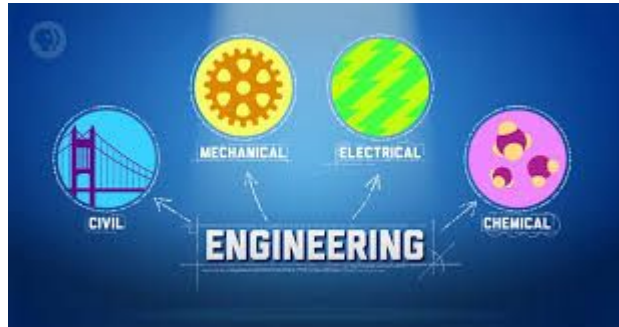
STEM ENDORSEMENT

- Programming & Software
- Engineering

ENGINEERING

Students enrolled in this course will demonstrate knowledge and skill of the process of design as it applies to engineering fields using software applications and tools necessary to produce and present working drawings and prototypes. Students will use computer hardware and software applications to complete assignments and projects. Through implementation of the design process, students will transfer advanced academic skills to component designs. Additionally, students explore career opportunities in engineering, technology, and drafting and what is required to gain and maintain employment in these areas.

- **Engineering Design & Presentation** 10th
- **Engineering Design & Presentation II** (2 periods) 11th
- **Practicum in STEM** (2 periods) 12th



PROGRAMMING & SOFTWARE

This course is equivalent to a first semester introductory college computing course. Students will develop computational thinking skills vital for success across all disciplines, such as using computational tools to analyze and study data and working with large data sets to analyze, visualize, and draw conclusions from trends. Students are encouraged to apply creative processes when developing computational artifacts and to think creatively while using computer software and other technology that interests them. Students will also develop effective communication and collaboration skills through discussions and writing.

- **AP Computer Science Principles** 10th
- **AP Computer Science** 11th
- **Practicum in STEM** 12th



ARTS & HUMANITIES ENDORSEMENT

- Art
- Theatre
- Dance/Drill Team
- Band/Orchestra
- Choir
- Foreign Languages

ART

After taking Art I, student can choose to continue with the following Art courses:

- **Art I**
- **Art II**, Drawing, Painting, Ceramic, or Sculpture
- **Art III**, Drawing, Painting, Ceramic, or Sculpture
- **Art IV**, Drawing, Painting, Ceramic or Sculpture
- **AP Art History** (recommend you have finished world history)
- **AP Art Draw, 2D or 3D**(must have 2 years of art)

***Fees apply



THEATRE

Theatre Arts is a participatory survey course designed for students who are interested in learning about all areas of theatre. Students will learn the various techniques of acting including creative dramatics, character interpretation, and staging; explore theatre production concepts and skills including makeup, costuming, and set design; and participate in criticism by attending two major productions outside of class. Students may choose to participate in co-curricular drama activities by the department.

- **Theatre Arts I, II, III, IV**

Through participation, students will gain experience in various areas of production, including, but not limited to, acting, stage management, scenery, lighting, props, costumes, or make-up. Motivated and interested students may also have opportunities in design and construction/execution of scenery, lighting, costuming, make-up, or props. Production participation (including after-school rehearsals) is required. These courses are offered after school ONLY and by invitation ONLY.

- **Theatre Production I, II, III, IV** (Approval Required)

This course is a workshop atmosphere for the development of advanced technical theatre skills. Students will develop public relations skills for use in the theatre, attend live theatre events, and explore career opportunities for theatre.

- **Technical Theatre I, II, III, IV**

This course allows students to direct a play for public audience. Students will select a script, analyze it, design the production cast, and rehearse the actors.

- **Directing Seminar** (approval required)



DANCE/DRILL TEAM

This is a foundation course, balancing the areas of terminology, technique and movement. Students will learn and perform dance through a broad presentation of skills, technical terminology, historical background, cultural and artistic diversity. Students are given the opportunity to experience movement physically and visually; experimenting/exploring within the creative process of group/individual choreography through the dance genres of ballet, modern, folk/social, jazz and ethnic. Fees cover the cost of necessary dancewear.

- **Dance I, II, III, IV**

The drill team is a precision drill team which provides entertainment for various school activities, athletic halftimes, community activities, charity organizations, etc. The drill team is open to any girl who can meet the eligibility requirements and can qualify before a panel of tryout judges in the spring of each year. Although the drill team is an elective course, numerous after-school practices will be required.

- Drill Team is also known as Golden Girls (try out required)

ORCHESTRA/MARIACHI

This is the non-varsity ensemble with moderate performance demands. The orchestra will participate in concerts, UIL and TMEA events. Students are given opportunities for mental and physical discipline, citizenship through group endeavor, physical conditioning, cultural growth, skills in making musical value judgments through critical listening, skills in music theory, and proper instrumental techniques. Attendance at out-of-school rehearsals and performances is required. Open to orchestra string instrumentalists only.

Mariachi is open to those who already possess the instrumental skills to be in a mariachi band. It is highly suggested that students take orchestra first.



BAND

This performing group is the varsity ensemble and is designed to challenge those students who have achieved the highest musical standards and skills. The Wind Ensemble performs numerous concerts, marches at all football games and competes in both TMEA and UIL activities as well as various school and community events. Students are given opportunities for mental and physical discipline, citizenship through group endeavor, physical conditioning, cultural growth, skills in making musical value judgments through critical listening, skills in music theory, and proper instrumental techniques. Students will participate in small group playing experiences, develop new awareness of ensemble music literature, study ensemble techniques, and refine musical and technical skills. Participation in summer marching camp and all out-of-school performances and rehearsals is required. Students should already know how to play an instrument.

Band requires after school rehearsal and summer practices. The first year of marching band is PE credit, years after that are for fine art credit. Students may also take an additional period of Jazz Band.



CHOIR

Students participate through group and solo activities that allow them to develop vocal and choral techniques that include reading, listening and appreciation. Students will be expected to attend various rehearsals and performances outside the regular school day. Students are placed in appropriate choir classes commensurate with their skill levels following a competitive audition. Students who choose choir as an elective are making a commitment to remain in the program for the entire year.



FOREIGN LANGUAGES



These courses offers basic understanding of the Spanish, German, Chinese or French languages and exposes students to the culture. Introduction to basic vocabulary and grammar will enable students to learn to discuss everyday topics such as family, school, numbers, time and weather. Oral and written practices are stressed.

Languages offered:

- Spanish
- German
- Chinese
- French



OTHER SPECIAL PROGRAMS

JOURNALISM

This basic course is required for all students interested in being a member of the yearbook staff. The course offers the student training in the production of the school yearbook. Students develop abilities in gathering information, writing copy and captions, understanding components of quality photography, copy editing skills, and techniques of headlines.

- Newspaper (application process)
- Yearbook (application process)

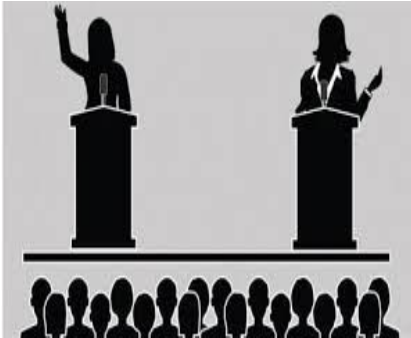
Students must be able to commit to after school hours.



DEBATE

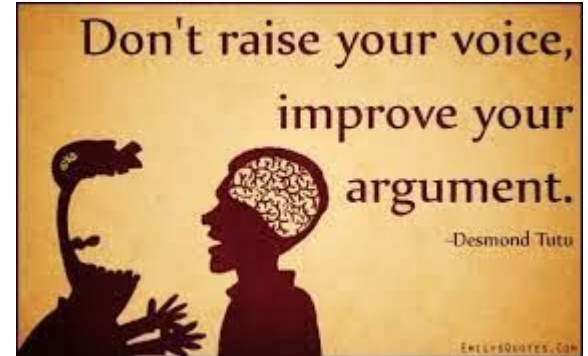
Are you interested in becoming a lawyer, minister, politician, public speaker or leader in your community? Build your skills to help you become a great speaker in Debate. Specific formats of debate will be studied with emphasis on Lincoln Douglas, Policy Debate and Public Forum Debate. Students will research and write affirmative and negative cases, briefs and blocks for various debate resolutions. Students will learn cross-examination, refutation and rebuttal techniques.

Students must be able to commit to after school hours.



BENEFITS OF DEBATING

- CULTIVATES QUICK AND MULTI-DIMENSIONAL, LOGICAL THINKING.
- ENHANCES THE ABILITY TO DEVELOP REASONED OPINIONS.
- GIVES A BETTER UNDERSTANDING OF THE CURRENT EVENTS AND THE WORLD AROUND US.
- IMPROVES SELF-CONFIDENCE, SPEAKING STYLE AND COMMAND OF LANGUAGE.
- ENRICHES YOUR OVERALL LEADERSHIP QUALITIES.

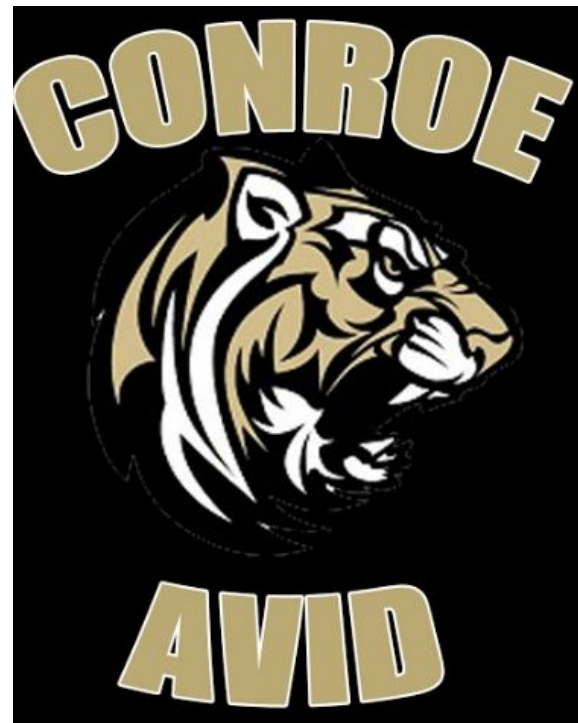


AVID

AVID (Advancement Via Individual Determination) is a program designed to help students with high academic potential prepare for entrance to colleges and universities. AVID requires students to challenge themselves in high school and develop the necessary skills (like note taking, organization, academic vocabulary, Socratic discussions, reading/annotating) for college. AVID is for students who want to go to college and who is willing to take the necessary steps to being successful in college.

All AVID students are required to take one or more rigorous courses (Honors, AP, and Dual Credit). We do build support for our students like tips for organization, correct note-taking systems, academic vocabulary, testing strategies, tutorials, student advocacy and agency.

We do develop professional skills as well and build resumes, explore college pathways, complete college admissions essays, and even apply for scholarships beginning the students' sophomore year. We create a family and support system to get students to acknowledge their struggles and build grit to stick to their goals.



ACADEMIC GUIDE & COURSE CATALOG

2023-2024

Booker T. Washington High School
Caney Creek High School
College Park High School
Conroe High School
Grand Oaks High School
Oak Ridge High School
The Woodlands High School



The District Academic Planning Guide is also another resource. It contains detailed information about course offerings.

[HS Academic Catalog 23-24 \(conroeisd.net\)](https://conroeisd.net)