

# CTAE

Ms. Norris - Director

# AGRICULTURE, FOOD, AND NATURAL RESOURCES

## **AGRICULTURAL MECHANICAL SYSTEMS**

1. Basic Agricultural Science and Technology
2. Agricultural Mechanics I
3. Agricultural Mechanics II

## **PLANT AND LANDSCAPE SYSTEMS**

1. Basic Agricultural Science and Technology
2. General Horticulture and Plant Science
3. Nursery & Landscape

## **VETERINARY SCIENCE**

1. Basic Agricultural Science and Technology
2. Animal Science and Biotechnology
3. Veterinary Science



FFA is a dynamic youth organization that changes lives and prepares members for premier leadership, personal growth, and career success through agricultural education.

# AGRICULTURAL MECHANICS PATHWAY

## Areas of study:

- Safety in Workplace
- Tool Identification and Operation
- Wood Fabrication & Construction
- Metal Fabrication and Repair
- Welding
- Small Engines Operation
- Tractor and Lawnmower Operation and Maintenance
- Electrical Wiring

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*9th Grade students must enroll in and receive credit in the Basic Agricultural Science course before starting this pathway.*

# PLANT AND LANDSCAPE SYSTEMS PATHWAY

- This pathway will provide students with the basic skills and knowledge introducing the major concepts of plant and horticulture science.
- Students will have the opportunity to learn through hands-on instruction in the greenhouse and outdoors. Students will operate machinery.

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*9th Grade students must enroll in and receive credit in the Basic Agricultural Science course before starting this pathway.*

# VETERINARY SCIENCES PATHWAY

- This pathway is designed to provide students with skills and concepts involved with the care and treatment of animals.
- Students will have the opportunity to learn through hands-on instruction in the school farm. Students will be in close proximity to animals.



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# AUDIO & VIDEO TECHNOLOGY & FILM PATHWAY

The broadcasting and digital media industry is comprised of two major employers—radio/television broadcasting companies and movie/television production companies.

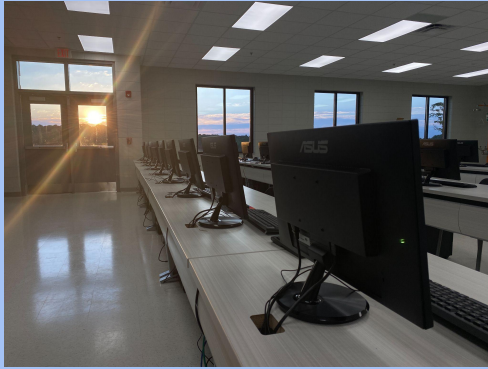
Georgia ranks #1 in film production

The film industry in Georgia is \$10 Billion dollars and growing

Start your career in Audio/Video at PCHS.



# AUDIO-VIDEO TECHNOLOGY & FILM PATHWAY



AV CLUB

AUDIO-VIDEO TECHNOLOGY & FILM 1

AUDIO-VIDEO TECHNOLOGY & FILM 2

AUDIO-VIDEO TECHNOLOGY & FILM 3

BROADCAST VIDEO PRODUCTION APPLICATION



# AUDIO & VIDEO TECHNOLOGY & FILM PATHWAY

Course available to incoming 9th graders:

## Audio & Video Technology & Film I

Learn about:

Basic equipment, script writing, production teams, production and programming, lighting, recording and editing, studio production, and professional ethics.





# Automotive Technologies

General Automotive Technology program is the starting point for students to gain essential skills from this pathway.

The course covers various subjects, including automotive preventative maintenance, electrical systems, brakes, steering and suspension, engine repair and more!

There are various of projects that students will be able to take a part of, and expand their knowledge of automotive.



# General Automotive Technologies Pathway

There are 3 classes in this pathway:

Automotive Technologies 1

Automotive Technologies 2

Automotive Technologies 3



You will learn the basic skills needed to gain an entry level Automotive technician job.

There is theory and hands on instruction where you will learn

- Safety
- Preventative maintenance
- Brakes
- Steering and suspension
- Electrical systems
- Engine repair and engine performance
- Automatic transmissions and manual transmissions
- Differentials
- Automotive HVAC

# Advance Automotive Technologies Pathway

The Advance Automotive Technologies Pathway is a continuation of the General Pathway, Instead here we will go further in depth over the automotive topics.

Advance Automotive Technologies 4

Advance Automotive Technologies 5

Advance Automotive Technologies 6

- In this pathway, with the knowledge gained you could work as an Intern at a local shop (grades 11-12 only) as an entry level technician.
- We also offer a 2 year ASE entry level certification with a passing grade on the exam.



# Business Management, Administration & Technology Pathways

Business Management, Administration & Technology Pathways will give you many opportunities to gain in-depth knowledge of business practices, computer technology, and software. Students gain real-world experience through project-based learning and managing the student-run school store.



## Business & Technology Pathway

- ✓ Project centered courses
- ✓ Student Organization-FBLA
- ✓ Student centered School-Based Enterprise-Trojan Trading Post



### Course Sequence

1. Intro to Business and Technology
2. Business and Technology
3. Business Communications
4. Optional 4<sup>th</sup> course: Work-Based Learning- Graphics Intern, Trojan Trading Post Placement



Mrs. Riley

**MOS Certified students: 80+ and counting**

# EXPLORE YOUR OPPORTUNITIES



Peach County High School

Community Events



- ✓ Monthly Meetings/Events
- ✓ Leadership opportunities
- ✓ Leadership Conferences
  - ✓ Slots-July
  - ✓ Fall Rally: Six Flags-October
  - ✓ Fall Conference: Athens-November
  - ✓ Region Conference-January
  - ✓ State Conference: Atlanta-March
- ✓ Competition opportunities in wide area of interests



Officer Induction



Region Leadership



Summer Leadership



Fall Rally



Fall Leadership



2023 National Leadership



2023 State Leadership





## SCHOOL-BASED ENTERPRISE



- ✓ Student centered/run business
- ✓ All proceeds benefit organizations at PCHS
- ✓ Real-world experiences in
  - ✓ Marketing
  - ✓ Product development
  - ✓ Inventory
  - ✓ Point-of-Sale
  - ✓ Business practices





## Information Technology Pathway - Computer Science

Build robots, code, and collaborate while preparing for high demand 21st Century careers, such as cybersecurity and artificial intelligence.

Additionally, Robins Air Force Base is the largest single-site industrial complex in Georgia, employing almost 24,000 civilians, contractors, and military members.

# Information Technology-Computer Science

## Courses available:

- Introduction to Software Technology (9th & 10th graders)
- Principles of Computer Science (9th graders who successfully completed 8th Grade Computer Science Foundations and/or Algebra 1, Intro to Software Tech completers, 10th, 11th or approval)
- AP Computer Science (must have completed Principles of Computer Science) 11th, 12th and/or approval

Introduction to Software Technology is the foundational course for Cloud Computing, Computer Science, Game Design, Internet of Things, Programming, Web and Digital Design, and Web Development pathways. This course is designed for high school students to understand, communicate, and adapt to a digital world as it impacts their personal life, society, and the business world. Exposure to foundational knowledge in programming languages, software development, app creation, and user interfacing applications are all taught in a computer lab with hands-on activities and project-focused tasks.





# Healthcare- Meet the teachers



## Kristine Spivey, LPN

- Nurse 17 years
- Teaching 7 years

## Liana Keys, MLT

- Medical Lab Technologist 6 years
- Phlebotomist 4 years
- Teaching 2 years



# Introduction to Healthcare

1st class to the healthcare pathway



Glo Germ to learn proper handwashing

Healthcare topics:

- Infection Control
- Employability Skills
- Proper Body Mechanics
- Ethical & Legal Issues
- Medical Math/ Military time
- Communication Skills
- Safety Practices
- Healthcare Facilities & Careers
- Diversity
- Patient's Rights
- Scope of Practice

# Essentials of Healthcare/ Anatomy

2nd Level  
course  
Counts as  
CTAE credit  
and a science  
credit



## Body Systems/Standards

- Histology
- Integumentary
- Skeletal
- Muscular
- Nervous
- Endocrine
- Cardiovascular
- Respiratory
- Lymphatic
- Digestive
- Excretory
- Reproductive

# ALLIED HEALTH & MEDICINE PATHWAY

3rd Level course

11th & 12th grade

Many Allied Health jobs can be used as excellent entry points to a career pathway leading to better pay and a bright future. National credentials, which can be earned in as little as six months to two years, are offered as alternatives to more lengthy and costly undergraduate degrees.



Allied Health Career Outlook:

- Dental Assistant
- Dental Hygiene
- Medical Assistant
- Medical Laboratory
- Medical Office
- Mental Health
- Occupational Therapy
- Pharmacy
- Phlebotomy
- Physical Therapy
- Public Health
- Radiology Technology
- Respiratory Therapy
- Surgical Technology
- Ultrasound



# Phlebotomy

**3rd Level Course**

**11th or 12th Grade**

**This course is designed to help students become prepared for the phlebotomy technician certification exam, upon completion of all require components.**

**Simulated sticks will happen in lab.**

**Live sticks are required for certification.**



- Employability Skills
- Options in the industry
- terminology/equipment
- Regulatory agencies
- Quality control measures
- Anatomy for venipuncture
- Blood collection
- Venipuncture/capillary blood collection
- Specialized collection/handling
- Facility procedures/ protocols

# Nurse Aide-Dual Enrollment- 12th grade

- Background check
- Drug test
- Flu vaccine
- Vaccination record
- Good attendance
- Scrub wear as pictured
- No behavior referrals
- Maintain 75 or higher average
- 24 hours of clinical required at local nursing home with instructor



- Partnership with CGTC
- Nurse Aide
- Medical Terminology
- Diet & Nutrition

# Graphic Design

In the Graphic Design pathway, students will plan, analyze, and create visual solutions to creative and communication design problems. The curriculum highlights the most effective way to communicate via print and digital media using a variety of methods.

Design concepts such as color, type, illustration, photography, drone photography, as well as various other print and layout techniques are explored over several semesters. Students will learn to create layouts and production design for magazines, newspapers, advertisements, online spaces, and many other types of publications. They will also produce promotional displays, packaging, banners, and posters for advertising products and services.



## PATHWAY COURSES

- Introduction to Graphics and Design
- Graphic Design and Production
- Advanced Graphic Design