

## FRESHMAN ELECTIVE CLASS DESCRIPTIONS

### **AGRISCIENCE**

Class description: This course is a beginning class for agriculture and involves basic plant science, animal science, and FFA leadership training including parliamentary procedures. A student enrolled in this class will be a member of the FFA and will be required to develop a Supervised Agricultural Experience (SAE) project.

### **ART I**

We study these units extensively:

- Observational drawing (drawing from life).
- Perspective drawing (creating the illusion of depth on paper).
- Shading skills in graphite (pencil) and ink.
- Figure drawing from life to understand proportion and form (students model in small groups).
- Facial proportion drawing to understand how features are drawn, their form, and arrangement on the skull.
- Color Theory - paintwork with the color wheel and limited palettes, activities to develop basic painting skills.

### **BEGINNING BAND**

Class description: This course is designed primarily for students who are new to a particular band instrument. The ultimate goal is to be ready to join an advanced level band course after completion of this course. No prior musical experience is necessary. The instruments offered are Flute, Clarinet, Saxophone, Trumpet, Trombone, and Percussion. Students are allowed to try the different instruments before they choose one to focus on. Students will be supplied with lesson books but will need to provide their own instruments that are in working condition. Rental and purchase options will be discussed in class. The number of percussionists will be limited and decided on during the 1st month of class. The main focus of beginning percussionists will be on learning melodic percussion. Students will perform in at least two concerts during the year.

### **BEGINNING CHOIR**

Class description: Greenwave Chorus is a non-auditioned choral ensemble open to students in grades 9-12 who love music and enjoy singing. No prior choir/vocal experience is needed! Chorus members will sing repertoire from many genres including, pop, R&B, musical theater, and gospel. Chorus members will also use vocal techniques to help them become better singers and musicians. Chorus members will perform in the annual Holiday and Spring Choral Concerts as well as participate in the TAME Parish Choral Assessment. They are also encouraged to audition for Parish Honor Choir, District Honor Choir, and All-State Choir.

### **CIW - Internet Business Associate/CIW Network Technology Associate**

Class Description: The CIW Internet Business Associate course prepares you to work effectively in today's business environment. In this semester-long course, you will learn about the tasks involved in various Web Technology job roles, and you will learn the skills and technologies to perform them. The career opportunities that demand these common Web-based skills are endless. The CIW Internet Business Associate course prepares candidates to take the CIW Internet Business Associate exam, which, if passed, earns the individual the CIW Internet Business Associate certification.

Class Description: The CIW Network Technology course is a semester course that prepares you to work effectively in today's business environment. This course prepares you for job readiness in many business and technology-related careers. Understanding the fundamentals of networking, Internet protocols, and network security is important for all professionals who use the Internet. This certification proves your mastery of the basics of networking and prepares you for further study in the specialty of your choosing. The CIW Internet Business Associate course prepares candidates to

take the CIW Network Technology Associate exam, which, if passed, earns the individual the CIW Network Technology certification.

### **COMPARATIVE ANATOMY & PHYSIOLOGY**

Class description: This one-year course engages students in the rigorous study of the body's physiological systems and then compares these systems across many species in the animal kingdom (both vertebrates and invertebrates). Course assignments range from formal assessments to hands-on dissections and labs. Additionally, this course emphasizes public speaking through scientific presentations and independent research to enhance scientific reading and writing skills. Students will also learn to read and interpret published scientific articles to examine evolutionary relationships between species, making connections that will be built on in later bioinformatics studies

### **DIGITAL MEDIA I**

This class is perfect for students who have an interest in photography and design. It dives deep into Adobe Photoshop and covers photo editing and original design creation. Students will use graphics, images, and text to create custom branding, logos, and images. Final products should reflect multimedia elements, knowledge of design theory, the effective use of productivity tools, and the conveyance of professional quality. Students will demonstrate proficiency in Adobe imaging software and will produce many projects as well as develop and critique portfolios. Adobe Illustrator will be touched on as time allows.

### **General Tech Ed**

Class description: This course is an introduction to industry skills trades and focuses on challenging portions of the NCCER Core module(s). Areas of study may include basic residential electrical, plumbing, framing, roofing, basic safety and introduction to tools, etc.

### **INTRO TO BIOMEDICAL SCIENCES**

Class description: This modular one-year course covers a large variety of fields in biomedicine. Each module is designed to take two to three weeks and provide students with opportunities to develop their public speaking and science literacy skills, as well as learn how to cooperate in a group efficiently and professionally. Topics include but are not limited to: sports medicine, pharmacology, psychology, nutrition, veterinary medicine, bioinstrumentation, biomedical engineering, forensic anthropology, parasitology, and speech pathology. Modules can be selected based on student interest, availability of potential guest speakers, or timing of field trips.

### **INTRO TO COMPUTATIONAL THINKING**

This course introduces students to the basic ideas of computational thinking and artistic design, as students create images. Students will use a Web-based programming environment to create code for simple drawings, animations and simulations. This course is an introductory course that aligns with the LSU STEM Biomedical Sciences and LSU STEM Digital Design and Emergent Media both of which are offered at Ponchatoula High School.

### **INTRODUCTION TO ENGINEERING**

Prerequisite: Min 2.5 GPA

Certifications earned in class: LSU Dual Enrollment – 2 credit hours

Course Description: Project-based course that introduces students to the profession, ethics, and diversity of the field of engineering. Students apply the engineering design process to solve a real-world problem in each of the 10 primary engineering disciplines.

### **INTRODUCTION TO HEALTH OCCUPATIONS**

Class Description: Introduction to Health Occupations gives the student the knowledge that all healthcare workers must learn before entering a healthcare occupation. This course is recommended to any student

considering an occupation in the healthcare field or interested in the Certified Nursing Assistant course. (A grade of “C” or better is needed to be eligible to take the CNA class.)

### **NCCER CORE**

Class description: This is an elective course that emphasizes the core curriculum of safety, construction math, hand tools, power tools, introduction to construction drawing, rigging, communication, employability skills, and introduction to materials handling. It is a prerequisite for NCCER Carpentry, Electrical, and Welding.

### **QUEST FOR SUCCESS**

Class description: This course prepares students to develop essential 21st-century workforce skills, the ability to communicate, collaborate, and lead. Students will explore new and exciting careers and industry sectors as well as learn about themselves and their interests to successfully navigate high school, post-secondary education, and career pathways. This course counts in all Jump Start 1.0 and 2.0 pathways.

### **THEATRE I**

Class description: This course is offered for students on the Jumpstart/TOPS Tech and University-bound diploma tracks. It is a course designed to help students understand theatre history and performance skills by helping them project different personalities through effective speech, body language, and acting. The course focuses on the performance of a variety of pantomimes, scenes, duet acting, monologues, radio dramas, plays, and listening skills. It is a performance-oriented class.

### **VIRTUAL WORKPLACE EXPERIENCE**

Class description: The Virtual Workplace Experience (or VWE) is a class that will allow you to have hands-on and virtual work experiences while earning high school credit. The VWE enables you to interact with workplace experts online, create a resume, participate in mock job interviews, and engage with workplace experts. By completing the VWE you will grow in both personal and professional responsibility while developing critical workplace success skills.

NOTE: Advanced band, choir, and athletic PE require auditions/tryouts before a student can be placed in these classes