

# Wylie High School

## 2022-2023 New Course Descriptions

### **Electrical Technology I**

In Electrical Technology I, students will gain knowledge and skills needed to enter the workforce as an electrician or building maintenance supervisor, prepare for a postsecondary degree in a specified field of construction or construction management, or pursue an approved apprenticeship program. Students will acquire knowledge and skills in safety, electrical theory, tools, codes, installation of electrical equipment, and the reading of electrical drawings, schematics, and specifications. Students will use virtual reality headsets to learn skills followed by hands-on learning in a shop.

### **Principles of Construction**

Principles of Construction is intended to provide an introduction and lay a solid foundation for those students entering the construction or craft skilled areas. The course provides a strong knowledge of construction safety, construction mathematics, and common hand and power tools.

### **Retail Management**

Commonly known as The Purple Dog Company. This course is a comprehensive introduction to the principles and practices of retail management including distribution and selling of products to consumers using various vending points such as chain stores, department stores, stand-alone stores and various online stores. Students will be expected to help maintain The Purple Dog Company, create new product ideas for the fashion industry, and develop projects around retail management strategies.

### **Instructional Practices**

Instructional Practices is a field-based (practicum) internship that provides students with background knowledge of child and adolescent development as well as principles of effective teaching and training practices. Students work under the joint direction and supervision of both a teacher with knowledge of early childhood, middle childhood, and adolescence education and exemplary educators or trainers in direct instructional roles with elementary, middle school, and high school-aged students. Students learn to plan and direct individualized instruction and group activities, prepare instructional materials, develop materials for educational environments, assist with record keeping, and complete other responsibilities of teachers, trainers, paraprofessionals, or other educational personnel.

### **Environmental Systems**

In Environmental Systems students will conduct laboratory and field investigations using the scientific method to make informed decisions using critical thinking and scientific problem solving. Students study a variety of topics including biotic and abiotic factors in habitats, ecosystems and biomes. Interrelationships among resources and the sources and flow of energy through environmental systems are also investigated along with Relationships between carrying capacity and changes in populations, ecosystems and changes in environments.

### **Advanced Floral Design**

In this course, students build on the knowledge from the Floral Design course and are introduced to more advanced floral design concepts, with an emphasis on specialty designs and specific occasion planning. This course focuses on building skills in advanced floral design and providing students with a thorough understanding of the design elements and planning techniques used to produce unique specialty floral designs that support the goals and objectives of a specific occasion or event.

### **Practicum in Audio/Video Production**

Building upon the concepts taught in Audio/Video Production II and its corequisite Audio/Video Production II Lab, in addition to developing advanced technical knowledge and skills needed for success in the Arts, Audio/Video Technology, and Communications Career Cluster, students will be expected to develop an increasing understanding of the industry with a focus on applying pre production, production, and post-production audio and video products in a professional environment.

### **Practicum in Entrepreneurship**

The Practicum in Entrepreneurship provides students the opportunity to apply classroom learnings and experiences to real-world business problems and opportunities, while expanding their skill sets and professional relationships as a real or simulated business owner versus the experience one would have as an employee. Students will prepare for an entrepreneurial career in their area of interest in their career cluster and build on and apply the knowledge and skills gained from courses taken in an array of career areas.

### **Practicum in Graphic Design and Illustration**

The Practicum in Entrepreneurship provides students the opportunity to apply classroom learnings and experiences to extended learning experiences such as paid or unpaid internship experience. Students are expected to develop a technical understanding of the industry with a focus on skill proficiency.

### **Practicum in Marketing**

The Practicum in Marketing is a series of dynamic activities that focus on the customer to generate a profitable exchange. Students will gain knowledge and skills that help them to be proficient in one or more of the marketing functional areas associated with distribution, financing, marketing information management, pricing, product planning, promotion, purchasing, risk management, and selling skills. Students will integrate skills from academic subjects, information technology, interpersonal communication, and management training to make responsible decisions. The practicum course is a paid or unpaid experience for students participating in a coherent sequence of career and technical courses in marketing.

### **Dual Credit Statistics**

In this course students gain a solid understanding of basic probability and statistics. Students learn how to organize, display, summarize, and interpret all kinds of data. Statistics are ubiquitous in everyday life—business, social sciences, engineering, biology, marketing, political polling, medicine, and so much more. Although it is not designed as an AP course, it will prepare you to take the AP test in May for possible college credit.