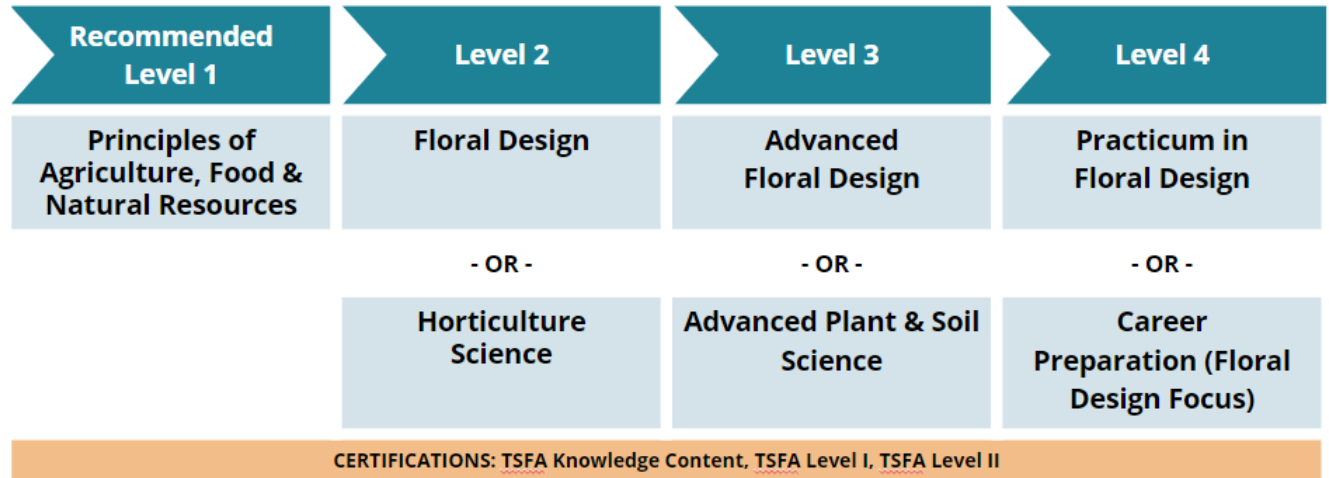


# Plant & Floral Science Pathway



## BUSINESS & INDUSTRY ENDORSEMENT



### PRINCIPLES OF AGRICULTURE, FOOD, & NATURAL RESOURCES

**KISD #:** 904018      **PEIMS:** 13000200  
**Grades:** 9-10      **1.0 Credit**  
**Prerequisite:** None

Student will gain introductory knowledge of all aspects in agriculture including agricultural career development, leadership, communications, personal finance, mechanized agriculture, soils, plants, animals, agricultural construction, food science, and supervised agricultural experience programs.

### FLORAL DESIGN

**KISD #:** 905318      **PEIMS:** 13001800  
**Grades:** 10-12      **1.0 Credit/Fine Arts Credit Option**  
**Prerequisite:** None

Students will develop and examine floral design in relation to arrangement of flowers, foliage, and related plant materials for interior locations. This course incorporates business practices and careers in the floral industry. Students will be responsible for purchasing materials or assessed a fee associated with this course.

**Required Fee/Materials:** Yes  
**Industry Certification:** Texas State Floral Association (TSFA) Level 1

### HORTICULTURE SCIENCE

**KISD #:** 905018      **PEIMS:** 13002000  
**Grades:** 10-12      **1.0 Credit**  
**Prerequisite:** None

Students will participate in a laboratory oriented course designed to develop skills in the production of greenhouse/nursery plants and the maintenance of plant growth and propagation structures. The course emphasizes production of fruit, nut, and vegetable crops.

### ADVANCED FLORAL DESIGN

**KISD #:** 905718      **PEIMS:** N1300270  
**Grades:** 11-12      **1.0 Credit**  
**Prerequisite:** 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.

**Required Fee/Materials:** Yes  
**Industry Certification:** Texas State Floral Association (TSFA) Level 2

### ADVANCED PLANT & SOIL SCIENCE

**KISD #:** 907118      **PEIMS:** 13002100  
**Grades:** 11-12      **1.0 Credit/4<sup>th</sup> Science Credit Option**  
**Prerequisite:** Refer to Pathway Flowchart and Biology, Integrated Physics and Chemistry, Chemistry, or Physics

Students will study the exploration of principles related to plant production and the management of soils as related to agriculture. Included in the course are experiments, laboratory explorations, and the study of soil and plant relationships that affect the production of food and fiber.

**Advanced Grade Points:** Yes

### **PRACTICUM IN FLORAL DESIGN**

**KISD #:** 905218                      **PEIMS:** 13002500

**Grades:** 12                              **2.0 Credits**

**Prerequisite:**                          **Floral Design**

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Students will participate in a laboratory-oriented course designed to develop the skills used in various aspects of the Floral Design industry. The major focus is preparing individuals to perform common floral design skills. The course emphasizes on running and operating a floral design business as well as the TSFA (Texas State Floral Association) Level 2 Certification.

**Required Fee/Materials:**      Yes

**Advanced Grade Points:**      Yes

**Industry Certification:**          Texas State Floral Association (TSFA)  
Level 2

### **CAREER PREPARATION I (Floral Design Focus)**

**KISD #:** 967718                      **PEIMS:** 12701300

**Grades:** 11-12                        **2.0 Credits**

#### **EXTENDED PRACTICUM IN CAREER PREP I**

**KISD #:** 967618                      **PEIMS:** 12701305

**Grades:** 11-12                        **3.0 Credit**

**Prerequisite:**                          **At least 16 years of age and valid work documentation (such as a Social Security card) and Approval Process**

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A work-based learning program that combines occupationally related classroom instruction and work-based experiences. Students are expected to be enrolled in the career preparation program the entire school year and must have reliable transportation to/from the training site each day. A student not employed at an approved training station prior to the ninth day of school shall have a schedule change removing him/her from the Career Preparation program. The student must be in a paid position and may not be employed by a relative. The student will receive an employer evaluation each grading period as one component of the nine week average.

**Approval Process:**                      Yes

**Transportation Needed:**              Yes