



## Plant Systems

**Cluster Overview:** Focuses on careers in the production, processing, marketing, distribution, financing, and development of agricultural commodities and resources.

**Student Name** \_\_\_\_\_

**ID** \_\_\_\_\_ **Grade :** 9 10 11 12

Entered 9th grade: 20\_\_\_\_ - 20\_\_\_\_

**Diploma Plan:**      **RHSP**      **DAP\***      **MHSP**      **TEXAS SCHOLAR**

*Note 1: Health and technology Applications locally required*    *Note 2: Entered 9th grade in 2010 - 2011 and thereafter must include Fine Arts*

### SUGGESTED COURSEWORK

### EXTENDED LEARNING EXPERIENCES

Middle School	8th	<b>HS Courses:</b>		<p><b>Curricular Experiences:</b> <a href="#">Texas FFA Association</a></p> <p><b>Extracurricular Experiences:</b> Agriscience Fair Farm Bureau Exchange Programs Language Immersion Programs School Newspaper Student Government UIL Academic Competitions Yearbook</p> <p><b>Career Learning Experiences:</b> Career Preparation Internship Job Shadowing</p> <p><b>Service Learning Experiences:</b> Boy/Girl Scouts Campus Service Organizations Community Garden Programs Community Service Volunteer Garden Club Programs Peer Mentoring / Peer Tutoring</p>							
	9th	<b>Core Courses:</b>	English I / PAP                      World Geography / PAP Algebra I / Geometry / PAP      Spanish I Biology / PAP                      P. E.                      Fine Arts / Tech App (BIM)								
<b>Career-Related Electives:</b>		Principles of Agriculture, Food and Natural Resources (BIM)									
10th	<b>Core Courses:</b>	English II / PAP                      World History / PAP Geometry / Algebra II / PAP      Spanish II                      Elective: Chemistry / PAP    IPC                      (BIM)Tech App / Fine Arts    Elective:									
	<b>Career-Related Electives:</b>	Principles and Elements of Floral Design or Horticulture Science/ Landscape Design and Turf Grass									
11th	<b>Core Courses:</b>	English III / AP    Adv. Math IV      United States History / AP / DC Algebra II* /MMA/ Pre-Cal / PAP/ DC      Professional Communications / Comm Appl / Health Physics*    PTI    Chemistry / PAP      Spanish III / DC									
	<b>Career-Related Electives:</b>	Principles and Elements of Floral Design or Horticulture Science/ Landscape Design and Turf Grass									
12th	<b>Core Courses:</b>	English IV / AP / DC    Algebra II/ Adv    Physics / PTI    Fourth Science: Math IV / Pre-Cal / PAP      Government/ AP/ DC    Economics / AP/ DC Calculus AP/ Math DC      Electives:									
	<b>Career-Related Electives:</b>	Advanced Plant and Soil Science									
On-the-Job Training		Floral Designer's Assistant      Cut Flower Processor      Floral Sales	<p><b>Professional Associations:</b> <a href="#">American Institute of Floral Designers</a> <a href="#">Collegiate FFA</a> <a href="#">Produce Marketing Association</a> <a href="#">Pi Alpha Xi National Honorary Society in Floriculture and Ornamental Horticulture</a> <a href="#">Post-Secondary Agricultural Students Association</a> <a href="#">Society of American Florists</a> <a href="#">Texas Nursery and Landscape Association</a> <a href="#">Texas State Florists' Association</a></p>								
	<b>Certificates</b>	High School Floral      Landscape Design      Texas Master Gardener Junior Master Gardener      OSHA CareerSafe									
Postsecondary	<b>Associate Degrees</b>	<a href="#">Greenhouse Florist</a> <a href="#">Interiorscape Design</a> <a href="#">Ornamental Horticulture Technology</a> <a href="#">Landscape Nursery Management</a>	<p><b>Career Options:</b></p> <table border="0"> <tr> <td>Floral Designer</td> <td>Interior Landscape Technician</td> </tr> <tr> <td>Greenhouse/Field Supervisor</td> <td>Cut Flower Processor</td> </tr> <tr> <td></td> <td>Retail/Wholesale Floral Sales</td> </tr> <tr> <td></td> <td>Custom Floral Decorating</td> </tr> </table>	Floral Designer	Interior Landscape Technician	Greenhouse/Field Supervisor	Cut Flower Processor		Retail/Wholesale Floral Sales		Custom Floral Decorating
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**COLLEGE CREDIT OPPORTUNITIES -- High School**  
Students should take Advanced Placement (AP), International Baccalaureate (IB), dual credit, Advanced Technical Credit (ATC), or locally articulated courses (Tech Prep), if possible. List those courses that count for college credit on your campus.

Students may select other elective courses for personal enrichment purposes.

This plan of study serves as a guide, along with other career planning materials, for pursuing a career path and is based on the most recent information as of 2010. All plans meet high school graduation requirements as well as college entrance requirements.