



Horticulture Science Program of Study

Education Planning Guide for Middle School and Beyond



This program of study, along with other career planning materials, serves as a guide to assist students in the Auburn School District in developing a relevant middle-to-high school plan that will prepare them for further education and/or employment in the Science, Technology, Engineering and Math career cluster. The program of study outlined below can be individualized to meet each learner's education and career goals. It allows students to earn high school credits while completing coursework in middle school, earn college credits while completing coursework within high school, and apply those credits toward attainment of a college certificate and/or degree. It is important to share and review this plan with a parent/guardian and school counselor.

| Auburn SD Component of Program of Study | Grade | English | Social Studies | Science | Math | Health/Fitness | Arts | Career and Technical | Related Electives | Auburn School District Graduation Requirements |
|---|---------------|--|--------------------|--|--|----------------------------------|---|---|--|--|
| | Middle School | Successfully complete required coursework for 6 th , 7 th and 8 th grade, and these electives → | | | | | | Art Survey, Advanced Art | | <u>Credit Requirements (22.5 credits total):</u> 4.0 credits - English 2.5 credits - Social Studies 3.0 credits – Math 2.0 credits - Science 1.5 credits – Fitness 0.5 credits – Health 1.0 credits – Arts 1.0 credits - Occupational 7.0 credits - Electives <u>Additional Requirements:</u> • High School and Beyond Plan • Culminating Project/Portfolio • Certificate of Academic Achievement or Approved Alternative |
| | 9 | Language Arts | World Studies (.5) | Science Links (.5) | Algebra I | Health (.5) | 1.0 Credit from Fine Arts or Course Equivalencies | Horticulture Science | Career Choices or Orientation | |
| | 10 | Language Arts | | or Environmental Science | Geometry | 1.5 Credits from Fitness Courses | | Environmental Horticulture 1 & 2 | Minimum of two years of the same world language are required for students planning to enroll at a four-year university | |
| | 11 | American Literature 1, 2 | U. S. History | Biology | Advanced Algebra and Trig | | | Environmental Horticulture 3 & 4 | | |
| | 12 | Senior English Electives | Civics (.5) | Chemistry | Accounting or Math for Personal & Business Finance* | | | or Floral Design and Marketing 1, 2* | | |
| | | | | AP Biology | | | | | | |
| | | | Global Issues (.5) | AP Biology or AP Environmental Science | | | | | | |

***Students who earn a “B” or better in these courses may be eligible for college credit. See page 2 for more information.**

| Post - High Program of Study | Apprenticeship Opportunities | Earn a Certificate and Enter the Workforce | Earn an Associate's Degree and transition to a 4-year university or enter the workforce | Earn a 4-year college degree, and then enter the workforce |
|------------------------------|--|---|---|---|
| | To learn more about apprenticeships in this program, go to: Apprenticeship Registration & Tracking Landscape Construction Worker Landscape Technician Greenhouse/Technician/Grower | Renton Technical College Green River Community College Lake Washington Technical College Edmonds Community College | Green River Community College Highline Community College Lake Washington Technical College South Puget Sound Community College South Seattle Community College | University of Washington Washington State University Western Washington University Evergreen State College |

The Post-High School program options listed above for this Program of Study represent just some examples of options available within the Puget Sound area, including programs where agreements for dual credit exist between the college and school district. For other options available related to this program of study, visit your career center or the websites of local colleges.



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The Horticulture Program of Study prepares students in the general production and processing of domesticated plants, shrubs, flowers, foliage, trees, groundcovers, and related plant materials; the management of technical and business operations connected with horticultural services, landscape management and design; and the basic scientific principles needed to understand plants and their management and care.

Occupational Information

The following represent occupations within this field and their average annual earnings and openings based on data from the Washington State Employment Security Department. For more information about these and other occupations within this field, go to www.workforceexplorer.com

| <u>Occupation</u> | <u>Washington State Projected Openings 2010-2020</u> | <u>Earnings</u> |
|--|--|-----------------|
| Landscaping and Groundskeeping Workers | 1,269 | \$30,572 yr. |
| Farmworkers and Laborers, Crop, Nursery and Greenhouse | 2,105 | \$25,190 yr. |
| Landscape Architects | 35 | \$62,503 yr. |
| Floral Designers | 76 | \$29,752 yr. |
| Foresters | 10 | \$57,430 yr. |
| Plant Scientist | 290 | \$67,023 yr. |

Post-High School Connections

The following courses within this program of study may be eligible for college credit at several local colleges if students earn a "B" or better:

| <u>High School Course</u> | <u>Credits Possible</u> | <u>College</u> | <u>College Course</u> |
|--------------------------------------|-------------------------|-------------------------------|-----------------------|
| Marketing 1, 2 | 10 | Green River Community College | BUS 121 |
| Math for Business & Personal Finance | 5 | Green River Community College | BUS E110 |
| | 5 | Renton Technical College | AMATH 171 |

Student Leadership Development



The National FFA Organization is dedicated to making a positive difference in the lives of students by developing their potential for leadership, personal growth and career success through agricultural education.

For additional leadership opportunities at your high school, please contact a Career and Technical Education teacher.

Scholarship Opportunities

For local, state, and national scholarship opportunities, please visit your counseling and/or career center, Career Cruising www.CareerCruising.com, WOIS www.wois.org, thecareermap.org or Fast Web www.FastWeb.com