

Student Organizations

KHS FFA, TSA and FBLA



PLANT SCIENCE



Killingly High School

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Updated 1/2020*

Killingly High School

Career Pathway: Plant Science

Career Cluster: Agricultural Education

To complete the **Plant Science Career Pathway**, students must complete all of the required courses within Section 1.

In order to complete the **Advanced Pathway**, students must complete all of the required courses within Section 1 and earn a total of 2 credits from the "Additional Courses" Section.

Section 1- Required Courses	Credits Earned at KHS	Credits Earned at UConn
Agricultural Education I	1	
Ag II - Plant Science	1	3
Floriculture	1.5	4
Nursery & Landscape	1.5	
PGR 1.8 – Job Shadow in Plant Science	(This requirement will be implemented for all students in the graduating class of 2021 and beyond)	
Section 2- Additional Courses	Credits Earned at KHS	
Ag Leader	1	
Projects in Agricultural Mechanics	.5	
Environmental Science AP	1.5	3
Chemistry AP	1	
Biology AP	1	
Marketing	1	
Digital Marketing I	1	
Digital Marketing II	1	
Business Management	1	
Business Communication	1	
Entrepreneurship	.5	
Communications & Speech	.5	
Accounting	1	
App Creators	.5	
Intro to Data Science	.5	
Intro to Programming	1	
AP Computer Science A	1	

Agricultural Education Plant Science Teacher:
 Mrs. Bethany Knowlton, Room 1826
 bknowlton@killinglyschools.org

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Occupations Related to the Plant Science Career Pathway: Floral Designer, Landscape Designer, Turf Grass Manager, Golf Course Superintendent, Sports Field Manager, Landscape Architect, Agricultural Education Teacher, Florist, Botanist, Entomologist, Geneticist, Christmas Tree Farmer, Greenhouse Manager, Vegetable Gardener, Geneticist, Sustainable Agriculturist, and Soil Scientist.

Units Covered: Fundamentals of Horticulture, Botany, Soil Science, Plant Propagation, Turf Grass Science & Management, Floral Design, Advanced Floral Design, Greenhouse Management, Landscape Design and Maintenance, Holiday Sales, Public Speaking, Agricultural Sales and Marketing.

UConn ECE: Plant Science students are given the opportunity to earn seven credits to UConn through the Early College Experience program. Students who earn a C or higher in the three courses (Introduction to Horticulture, Floral Design, & Advanced Floral Design) receive a college transcript from UConn, and these courses have an 87% transfer rate to other colleges.

Professional Organizations This Pathway Opens to You: Connecticut Nursery and Landscape Association, Connecticut Florists Association, Connecticut Grounds Keepers Association, Connecticut Tree Protective Association, CT Farm Bureau, CT Farmer Alliance