



Name: \_\_\_\_\_  
 Grade: \_\_\_\_\_  
 Parent Signature: \_\_\_\_\_



## Agriculture, Food and Natural Resources: Plant Science Pathway

Career Pathway Plan of Study for ► Learners ► Parents ► Counselors ► Teachers/Faculty

This Career Pathway Plan of Study (based on the Plant Science Pathway of the Agriculture, Food and Natural Resources Career Cluster) can serve as a guide, along with other career planning materials, as learners continue on a career path. Courses listed within this plan are only recommended coursework and should be individualized to meet each learner's educational and career goals. \*This Plan of Study, used for learners at Ponaganset High School is customized with course titles and appropriate high school graduation requirements as well as career pathway requirements.

EDUCATION LEVELS	GRADE	English/ Language Arts (4 credits)	Math (4 credits = 3 + 1 math-related)	Science (3 credits; 3 lab sciences for 4 year college)	Social Studies/ Sciences (3 credits)	Physical Education/Health (2 credits = 0.5 x 4 years)	Other	Scheduling Notes	SAMPLE Occupations Relating to this Pathway		
<b>Interest Inventory Administered and Plan of Study Initiated for all Learners</b>											
<b>GRADUATION REQUIREMENTS</b>	9	English 9 CP/H <b>OR</b> Humanities English CP/H (1 credit)	Algebra I CP <b>OR</b> Alg II CP/H (1 credit)	Biology CP/H (1 credit)	Topics in Social Studies CP/H or other SS elective (1 credit)	Physical Education/Health 9/10 (0.5 credit)	Spanish I or Chinese I (1 credit) Required for 4 yr. college students		<b>Occupations Requiring Postsecondary Education</b> ► Commercial Fisherman ► Fisheries Technician ► Forest Technician ► Geology Technician ► Log Grader ► Logger ► Park Manager ► Pulp and Paper Manager ► Range Technician ► Water Monitoring Technician ► Wildlife Manager		
	10	English 10 CP/H (1 credit)	Geometry CP/H <b>OR</b> Algebra II CP (1 credit)	Physical Science CP/H (1 credit)	U.S. History CP/H/EEP/AP (1 credit)	Physical Education/Health 9/10 (0.5 credit)	Spanish II or Chinese II (1 credit) Required for 4 yr. college students				
	11	English 11 CP/H <b>OR</b> AP Language (1 credit)	Algebra II CP <b>OR</b> PreCalc CP/H <b>OR</b> Stats (1 credit)	Chemistry <b>OR</b> Physics CP/H (1 credit)	Twentieth Century CP/H or other SS elective (1 credit)	Physical Education/Health 11/12 or Strength Training (0.5 credit)	Spanish III or Chinese III (1 credit) Recommended for many 4 yr. college students				
	<b>College Placement Assessments-Academic/Career Advisement Provided</b>										
	12	English 12 CP/H <b>OR</b> AP Literature (1 credit)	PreCalculus, Principles of Stats, AP Statistics, Personal Finance, AP Calculus or math-related course	Chemistry/Physics/ AP Environmental/ AP Chemistry/AP Biology (1 credit)	Elective: Economics, US/Global Affairs, Sociology, etc.	Physical Education/Health 11/12 or Strength Training (0.5 credit)	Spanish IV H/EEP or Chinese IV (1 credit) Recommended for some 4 yr. college students				
<b>Plan of Study: Pathway Courses and Additional Electives</b>						<b>TOTAL CREDITS</b>	<b>SCHEDULING REMINDERS</b>				
<b>CAREER RELATED ELECTIVES</b>	9	Plant Systems I (0.5 credit) <b>AND</b> Floriculture (0.5 credit)	Mandatory for the Pathway				Fine Art elective (0.5 credits)	<b>Occupations Requiring Baccalaureate Degree</b> ► Agricultural Educator ► Ecologist ► Fish and Game Officer ► Geologist ► Hydrologist ► Mining Engineer			
	10	Plant Systems II (1 credit)	Mandatory for the Pathway								
	11	Plant Systems III (1 credit)	Mandatory for the Pathway								
	12	Plant Systems IV (1 credit)	Must take a minimum of 3 years of Plant science courses - 4 is recommended.	<b>RECOMMENDED COURSES:</b> Agricultural Tech & Sustainability; Math for Industry; Alg II with Financial Applications; College Writing.							