



Name: \_\_\_\_\_

Grade: \_\_\_\_\_

Parent Signature: \_\_\_\_\_



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

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

This Career Cluster Plan of Study (based on the Plant Science Program 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 program 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 CTE Program
Interest Inventory Administered and Plan of Study Initiated for all Learners									
GRADUATION REQUIREMENTS	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		
	College Placement Assessments-Academic/Career Advisement Provided								
	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		
PLAN of STUDY: Program Courses and Additional Electives						TOTAL CREDITS	SCHEDULING REMINDERS		
CAREER RELATED ELECTIVES	9	Plant Systems I (0.5 credit) <b>AND</b> Floriculture (0.5 credit)	Mandatory for the Program				Fine Art elective (0.5 credits)	<b>*All plans of study need to meet learner's career goals and program requirements.</b> <b>*All course selections should meet required annual credit maximum.</b> <b>*All course requests are utilized to build the master schedule for the following school year.</b> <b>*Please be sure to select the appropriate courses at the time of registration.</b> <b>*Participation in FFA and appropriate work-based learning activities to support and reinforce classroom and laboratory learning is recommended for all students.</b>	<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 Program						
	11	Plant Systems III (1 credit)	Mandatory for the Program						
	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.					