








# Agriculture, Food & Natural Resources

Personalized Academic & Career Ed Roadmap (PACER)

Program:

This plan of study should serve as a guide, along with other career planning materials, as you continue your career path. **Courses listed within this plan are only recommended coursework and should be individualized to meet each learner's educational and career goals.**

Pathway(s):

	9 <sup>th</sup> Grade	10 <sup>th</sup> Grade	11 <sup>th</sup> Grade	12 <sup>th</sup> Grade
<b>High School</b>	English I	English II	American Lit. or AP Eng.	British Lit. or AP/College Comp
	Algebra I or Geometry	Geometry or Algebra II	Algebra II, Pre-Calculus or Statistics	Statistics, Pre-Calculus, Calculus or College Algebra
	Physical Science or Biology	Biology I or Chemistry	Chemistry, Physics or Aquaponics	
	US History Part II	World History	Economics	
	<b>Wellness/Fitness I (requirement)</b>	Online Driver's Education	<b>Personal Finance (requirement)</b>	Senior Interview/Presentation
	<i>Career Electives: Refer to the website for all available options:</i>			
	Ecology Biology II Populations Environmental Science Physics	Anatomy & Physiology Chemistry Geology Aquaponics	DaVinci Program	
<b>Career Enhancement Options</b>	<b>Career Pathway Learning Experiences</b>		<b>Sample Career Related Learning Opportunities</b>	
	<input type="checkbox"/> Job-Shadowing #1: _____ <input type="checkbox"/> Job-Shadowing #2: _____ <input type="checkbox"/> Pathway Internship: _____ <input type="checkbox"/> On-The-Job Training: <input type="checkbox"/> Informational Interviews: <input type="checkbox"/> Cooperative Education:		 DCNR  YCAL Ag Day  Pinchot State Park  Yellow Breeches Anglers Association  Roundtop Mountain Resort  West Wind Farms  Leg Up Farms  <b>Contact the high school career coordinator for additional information.</b>	
<b>Post-Secondary</b>	<b>High School Diploma/On the Job/ Short Term/ Industry Certification (non-college credit)</b>		<b>2 Year-Community College Associate's Degree</b>	<b>4 Year-College/University Bachelor's Degree</b>
	<input type="checkbox"/> Field Worker <input type="checkbox"/> Maintenance Worker <input type="checkbox"/> Harvester <input type="checkbox"/> Fish and Wildlife Worker <input type="checkbox"/> Animal Herder <input type="checkbox"/> Ranch Hand <input type="checkbox"/> Other _____		<input type="checkbox"/> Bio-Resource Technician <input type="checkbox"/> Hydrology Technician <input type="checkbox"/> Agro forester <input type="checkbox"/> Fish and Wildlife Technician <input type="checkbox"/> Ag & Field Technician <input type="checkbox"/> Bio Technician <input type="checkbox"/> Other _____ <small>Certificates offered or Associate Degree offered Penn College and HACC</small>	<input type="checkbox"/> Environmental Scientist <input type="checkbox"/> Oceanographer <input type="checkbox"/> Marine Biologist <input type="checkbox"/> Agricultural Engineer <input type="checkbox"/> Chemist <input type="checkbox"/> Veterinarian <input type="checkbox"/> Other _____