

# Agriculture, Food and Natural Resources Cluster

	ENGLISH	MATH	SCIENCE	SOCIAL STUDIES	OTHER REQUIRED COURSES	CAREER AND TECHNICAL COURSES
9 <sup>TH</sup> GRADE	English 9	Algebra I	Physical Science	World History to the Present	<ul style="list-style-type: none"> <li>• Physical Education -1</li> <li>• Health – ½</li> <li>• Fine Arts – ½</li> <li>• Computer Application – ½</li> <li>• Foreign Language I</li> <li>• Foreign Language II</li> </ul>	<ul style="list-style-type: none"> <li>• Agriscience</li> <li>• Two- and Four-Stroke Engines</li> <li>• Power Equipment Technology</li> <li>• Construction Site Preparation and Foundation</li> <li>• Construction Framing</li> <li>• Construction Finishing and Interior Systems</li> <li>• Introduction to Metal Fabrication</li> <li>• Introduction to Metal Inert Gas and Flux Cored Arc Welding</li> <li>• Residential and Commercial Power Equipment</li> <li>• Safety and Health Regulations</li> <li>• Residential Wiring</li> <li>• Introduction to Drafting Design</li> <li>• Introduction to Masonry</li> </ul>
10 <sup>TH</sup> GRADE	English 10	Geometry	Biology	United States History to 1877		
11 <sup>TH</sup> GRADE	English 11	Algebra II with Trig	Chemistry	United States History from 1877 to the Present		
12 <sup>TH</sup> GRADE	English 12	High Level Mathematics	Physics or a Physical Science	Economics/ United States Government		
COMMUNITY COLLEGE	<ul style="list-style-type: none"> <li>• Cluster/Degree/Certification Course Work</li> </ul>		<ul style="list-style-type: none"> <li>• Cluster/Degree/Certification Course Work</li> </ul>		<ul style="list-style-type: none"> <li>• Cluster/Degree/Certification Course Work</li> </ul>	
	<ul style="list-style-type: none"> <li>• Degree completion requirements</li> </ul>		<ul style="list-style-type: none"> <li>• Degree completion requirements</li> </ul>		<ul style="list-style-type: none"> <li>• Degree completion requirements</li> </ul>	
HIGHER EDUCATION	<ul style="list-style-type: none"> <li>• Degree completion requirements</li> </ul>		<ul style="list-style-type: none"> <li>• Degree completion requirements</li> </ul>		<ul style="list-style-type: none"> <li>• Degree completion requirements</li> </ul>	

**Power, Structure, and Technology Pathway Sample Education Plan**