

## Hamilton Heights School Corporation 6th Grade Ag Rotation Curriculum Map

Course Title: Agriculture 6	Quarter 1	Academic Year: 2025-2026
-----------------------------	-----------	--------------------------

Essential Questions How does Agriculture relate to everyday life? What is the importance of agriculture to the economy? What agricultural career opportunities exist?						
Unit Name	Total Days	Standards Number	Knowledge Objectives	Skills Objectives	Specific Assessments	Specific Resources
What is Agriculture?	7	EA-9.1	<ul style="list-style-type: none"> <li>● Nature and scope of agriculture in society</li> </ul> Vocabulary: Agriculture, Commodity, Agricultural By-product, Agriculture Industry, Beef Cattle, Dairy Cattle, Pork, Poultry, Aquaculture, Cotton, Natural Fiber, Synthetic Fiber	Identify ways agriculture relates to your life	Ag-Knowledge Questionnaire  Ag By-Products Poster  Ag By-products Scavenger Hunt  What is Agriculture? Knowledge Check	<a href="#">Pioneer Seeds TV Commercial</a>  Guided Notes w/ PowerPoint  Indiana Farm Bureau Middle School Agriscience Library Lesson A1-1
Intro to FFA	9	EA-1.1 EA-1.2	<ul style="list-style-type: none"> <li>● Role of FFA in leadership</li> </ul> Vocabulary:	Recognize role of FFA in leadership  General understanding of the	Emblem Activity  Jacket Activity	What is FFA? Slides  FFA videos

			FFA - Future Farmers of America, FFA Emblem, Henry Groseclose, E.M. Tiffany, FFA creed, FFA chapter	National FFA Organization	FFA History Quest Canvas Quiz	National & State FFA websites EdPuzzles
Plant Science	8	EA-3.1 EA-3.3 EA-9.2	<ul style="list-style-type: none"> <li>Basic plant structure</li> <li>Basic plant growth needs</li> <li>Horticulture Career opportunities</li> </ul> <p>Vocabulary: Photosynthesis, stem, roots, leaves, seed, flower, fruit, vegetable, horticulture</p>	<p>Identify basic plant parts</p> <p>Identify basic needs of a plant</p> <p>Research Horticulture Careers</p>	<p>Plant Parts Mini Assessment</p> <p>Plant Needs Worksheet</p> <p>Horticulture Career Project</p>	<p>Video/guided notes</p> <p>Venn Diagram</p> <p>Plant parts/functions diagram</p> <p>Salad Investigation</p> <p>Horticulture Careers website</p>
Power, Structure, and Technical Systems	5-6	EA-8.1	<ul style="list-style-type: none"> <li>Recognize and apply safety principles as they relate to Ag and everyday life.</li> </ul> <p>Vocabulary: Hazardous, Fatality, Safety Features, Safety Precautions, Operator, Fatigue</p>	Name at least 3 safety principles	<p>Guest Speaker Review Sheets</p> <p>Canvas Quiz</p>	<p>Guest Speaker for Zero Turn Mower Safety</p> <p><a href="#">Farm Safety Lesson</a></p> <p>EdPuzzles</p>
Animal Science	10	EA-5.3 EA-5.4	<ul style="list-style-type: none"> <li>Common uses of animals</li> <li>Common species</li> </ul>	<ul style="list-style-type: none"> <li>Identify common uses of animals (raw products &amp;</li> </ul>	<p>Livestock Terms Chart</p> <p>Beef Breeds Profiles</p>	<p>Veterinarian Guest Speaker</p> <p>4-H Vet Science Manual</p>

			<p>and/or breeds of livestock</p> <ul style="list-style-type: none"> <li>• Livestock related careers</li> </ul> <p>Vocabulary: Cattle, Cow, Bull, calf, heifer, steer, Swine, sow, boar, piglet, gilt, barrow, Sheep, Ewe, ram, lamb, ewe lamb, wether, Goats, Doe, Buck, doe kid, wether, kid, Poultry, hen, rooster, chick, poult/pullet, capon, agricultural product, castrate, mature, offspring, by-products, ruminant, Beef breeds - Texas Longhorn, Shorthorn, Angus, Hereford, Brahman, veterinarian</p>	<p>by-products)</p> <ul style="list-style-type: none"> <li>• Identify 5 common beef breeds</li> <li>• Explore careers related to veterinary medicine</li> </ul>	<p>Beef Breeds Quest</p> <p>Canvas Quiz</p>	<p>activities - Veterinary Specialties, You Do the Math, Quality Counts</p> <p>Livestock Terms Activity/Flashcards</p> <p>Chew It Twice (ruminant digestion)</p>
Food Science	5	EA-7.1 EA-9.1 EA-9.2	<ul style="list-style-type: none"> <li>• Explore how a specific food is made</li> <li>• Explore how agriculture/food is incorporated in society</li> <li>• Food Science Career opportunities</li> </ul>	Cooperate as a group to create and market a product	Group presentation of product	<p>How it's Made Videos/worksheet</p> <p>Ag In the Classroom - Scientist for A Day</p>

			Vocabulary: Food Scientist, processing, marketing			
--	--	--	---	--	--	--

Course Title: Agriculture 6	Quarter 2	Academic Year: 2024-2025
-----------------------------	-----------	--------------------------

Essential Questions						
---------------------	--	--	--	--	--	--

Unit Name	Total Days	Standards Number	Knowledge Objectives	Skills Objectives	Specific Assessments	Specific Resources
What is Agriculture?	4	EA-9.1	<ul style="list-style-type: none"> <li>Nature and scope of agriculture in society</li> </ul>	Identify ways agriculture relates to your life	Ag-Knowledge Questionnaire	<a href="#">Pioneer Seeds TV Commercial</a>  Guided Notes w/ PowerPoint
Plant Science	9-11	EA-3.1 EA-3.3 EA-9.2	<ul style="list-style-type: none"> <li>Basic plant structure</li> <li>Basic plant growth needs</li> <li>Horticulture Career opportunities</li> </ul> Vocabulary: Photosynthesis, stem, roots, leaves, seed, flower, fruit, vegetable, horticulture	Identify basic plant parts  Identify basic needs of a plant  Research Horticulture Careers	Plant Parts Mini Assessment  Plant Needs Worksheet  Horticulture Career Project	Video/guided notes  Venn Diagram  Plant parts/functions diagram  Salad Investigation  Horticulture Careers website

<p>Power, Structure, and Technical Systems</p>	<p>5-6</p>	<p>EA-8.1</p>	<ul style="list-style-type: none"> <li>Recognize and apply safety principles as they relate to Ag and everyday life.</li> </ul> <p>Vocabulary: Hazardous, Fatality, Safety Features, Safety Precautions, Operator, Fatigue</p>	<p>Name at least 3 safety principles</p>	<p>Guest Speaker Review Sheets</p> <p>Canvas Quiz</p>	<p>Guest Speaker for Zero Turn Mower Safety</p> <p><a href="#">Farm Safety Lesson</a></p> <p>EdPuzzles</p>
<p>Animal Science</p>	<p>10-12</p>	<p>EA-5.3 EA-5.4</p>	<ul style="list-style-type: none"> <li>Common uses of animals</li> <li>Common species and/or breeds of livestock</li> <li>Livestock related careers</li> </ul> <p>Vocabulary: Cattle, Cow, Bull, calf, heifer, steer, Swine, sow, boar, piglet, gilt, barrow, Sheep, Ewe, ram, lamb, ewe lamb, wether, Goats, Doe, Buck, doe kid, wether, kid, Poultry, hen, rooster, chick, poult/pullet, capon, agricultural product, castrate, mature, offspring, by-products, ruminant, Beef breeds - Texas Longhorn,</p>	<ul style="list-style-type: none"> <li>Identify common uses of animals (raw products &amp; by-products)</li> <li>Identify 5 common beef breeds</li> <li>Explore careers related to veterinary medicine</li> </ul>	<p>Livestock Terms Chart</p> <p>Beef Breeds Profiles</p> <p>Beef Breeds Quest</p> <p>Canvas Quiz</p>	<p>Veterinarian Guest Speaker</p> <p>4-H Vet Science Manual activities - Veterinary Specialties, You Do the Math, Quality Counts</p> <p>Livestock Terms Activity/Flashcards</p> <p>Chew It Twice (ruminant digestion)</p>

			Shorthorn, Angus, Hereford, Brahman, veterinarian			
Food Science	5	EA-7.1 EA-9.1 EA-9.2	<ul style="list-style-type: none"> <li>Explore how a specific food is made</li> <li>Explore how agriculture/food is incorporated in society</li> <li>Food Science Career opportunities</li> </ul> <p>Vocabulary: Food Scientist, processing, marketing</p>	Cooperate as a group to create and market a product	Group presentation of product	<p>How it's Made Videos/worksheet</p> <p>Ag In the Classroom - Scientist for A Day</p>

Course Title: Agriculture 6	Quarter 3	Academic Year: 2024-2025
-----------------------------	-----------	--------------------------

Essential Questions						
Unit Name	Total Days	Standards Number	Knowledge Objectives	Skills Objectives	Specific Assessments	Specific Resources
What is Agriculture?	9	EA-9.1	<ul style="list-style-type: none"> <li>Nature and scope of agriculture in society</li> </ul>	Identify ways agriculture relates to your life	<p>Ag-Knowledge Questionnaire</p> <p>Ag By-Products Poster</p>	<p><a href="#">Pioneer Seeds TV Commercial</a></p>

			<p><b>Vocabulary:</b>  Agriculture, Commodity,  Agricultural By-product,  Agriculture Industry, Beef  Cattle, Dairy Cattle, Pork,  Poultry, Aquaculture, Cotton,  Natural Fiber, Synthetic Fiber</p>		<p>Ag By-products Scavenger  Hunt</p> <p>What is Agriculture?  Knowledge Check</p>	<p>Guided Notes w/ PowerPoint</p> <p>Indiana Farm Bureau Middle  School Agriscience Library  Lesson A1-1</p>
Intro to FFA	9	EA-1.1 EA-1.2	<ul style="list-style-type: none"> <li>• Role of FFA in leadership</li> </ul> <p><b>Vocabulary:</b>  FFA - Future Farmers of  America, FFA Emblem, Henry  Groseclose, E.M. Tiffany, FFA  creed, FFA chapter</p>	<p>Recognize role of FFA in  leadership and employability</p> <p>General understanding of the  National FFA Organization</p>	<p>Emblem Activity</p> <p>Jacket Activity</p> <p>FFA History Quest</p> <p>Canvas Quiz</p>	<p>What is FFA? Slides</p> <p>FFA videos</p> <p>National &amp; State FFA  websites</p> <p>EdPuzzles</p>
Animal Science	13	EA-5.3 EA-5.4	<ul style="list-style-type: none"> <li>• Common uses of animals</li> <li>• Common species and/or breeds of livestock</li> <li>• Livestock related careers</li> </ul> <p><b>Vocabulary:</b>  Cattle, Cow, Bull, calf, heifer,  steer, Swine, sow, boar,  piglet, gilt, barrow, Sheep,</p>	<ul style="list-style-type: none"> <li>• Identify common uses of animals (raw products &amp; by-products)</li> <li>• Identify 5 common beef breeds</li> <li>• Explore careers related to veterinary medicine</li> </ul>	<p>Livestock Terms Chart</p> <p>Beef Breeds Profiles</p> <p>Beef Breeds Quest</p> <p>Canvas Quiz</p>	<p>Veterinarian Guest Speaker</p> <p>4-H Vet Science Manual  activities - Veterinary  Specialties, You Do the Math,  Quality Counts</p> <p>Livestock Terms  Activity/Flashcards</p> <p>Chew It Twice</p>

			Ewe, ram, lamb, ewe lamb, wether, Goats, Doe, Buck, doe kid, wether, kid, Poultry, hen, rooster, chick, poult/pullet, capon, agricultural product, castrate, mature, offspring, by-products, ruminant, Beef breeds - Texas Longhorn, Shorthorn, Angus, Hereford, Brahman, veterinarian			(ruminant digestion)
Plant Science	6	EA-3.1 EA-3.3 EA-9.2	<ul style="list-style-type: none"> <li>Basic plant structure</li> <li>Basic plant growth needs</li> <li>Horticulture Career opportunities</li> </ul> <p>Vocabulary: Photosynthesis, stem, roots, leaves, seed, flower, fruit, vegetable, horticulture</p>	<ul style="list-style-type: none"> <li>Identify basic plant parts <ul style="list-style-type: none"> <li></li> </ul> </li> <li>Identify basic needs of a plant <ul style="list-style-type: none"> <li>Research Horticulture Careers</li> </ul> </li> </ul>	Plant Parts Mini Assessment  Plant Needs Worksheet  Horticulture Career Project	Video/guided notes  Venn Diagram  Plant parts/functions diagram  Salad Investigation  Horticulture Careers website
Power, Structure, and Technical Systems	6	EA-8.1	<ul style="list-style-type: none"> <li>Recognize and apply safety principles as they relate to Ag and everyday life.</li> </ul> <p>Vocabulary: Hazardous, Fatality, Safety</p>	Name at least 3 safety principles	Safety Review Sheets	Bobcat zero-turn safety video  <a href="#">Farm Safety Lesson</a>  EdPuzzles

			Features, Safety Precautions, Operator, Fatigue			
--	--	--	--	--	--	--

Course Title: Agriculture 6	Quarter 4	Academic Year: 2024-2025
-----------------------------	-----------	--------------------------

Essential Questions						
Unit Name	Total Days	Standards Number	Knowledge Objectives	Skills Objectives	Specific Assessments	Specific Resources
What is Agriculture?	6	EA-9.1	<ul style="list-style-type: none"> <li>Nature and scope of agriculture in society</li> </ul> Vocabulary: Agriculture, Commodity, Agricultural By-product, Agriculture Industry, Beef Cattle, Dairy Cattle, Pork, Poultry, Aquaculture, Cotton, Natural Fiber, Synthetic Fiber	Identify ways agriculture relates to your life	Ag By-Products Poster  Ag By-products Scavenger Hunt  What is Agriculture? Knowledge Check	<a href="#">Pioneer Seeds TV Commercial</a>  Guided Notes w/ PowerPoint  Indiana Farm Bureau Middle School Agriscience Library Lesson A1-1
Intro to FFA	9	EA-1.1 EA-1.2	<ul style="list-style-type: none"> <li>Role of FFA in leadership</li> </ul> Vocabulary: FFA - Future Farmers of	Recognize role of FFA in leadership and employability  General understanding of the National FFA Organization	Emblem Activity  Jacket Activity  FFA History Quest	What is FFA? Slides  FFA videos  National & State FFA

			America, FFA Emblem, Henry Groseclose, E.M. Tiffany, FFA creed, FFA chapter		Canvas Quiz	websites EdPuzzles
Plant Science	9-10	EA-3.1 EA-3.3	<ul style="list-style-type: none"> <li>• Basic plant structure</li> <li>• Basic plant growth needs</li> </ul> <p>Vocabulary: Photosynthesis, stem, roots, leaves, seed, flower, fruit, vegetable</p>	<p>Identify basic plant parts</p> <p>Identify basic needs of a plant</p>	<p>Plant Parts Mini Assessment</p> <p>Plant Needs Worksheet</p> <p>Plant Parts Scavenger Hunt</p> <p>Plant Parts and Functions Quiz</p>	<p>Venn Diagram</p> <p>Plant parts/functions diagram</p> <p>Salad Investigation</p> <p>Blookets</p>
Animal Science	10	EA-5.3 EA-5.4	<ul style="list-style-type: none"> <li>• Common uses of animals</li> <li>• Common species and/or breeds of livestock</li> <li>• Livestock related careers</li> </ul> <p>Vocabulary: Cattle, Cow, Bull, calf, heifer, steer, Swine, sow, boar, piglet, gilt, barrow, Sheep, Ewe, ram, lamb, ewe lamb, wether, Goats, Doe, Buck, doe kid, wether, kid, Poultry, hen, rooster, chick, poult/pullet,</p>	<ul style="list-style-type: none"> <li>• Identify common uses of animals (raw products &amp; by-products)</li> <li>• Identify 5 common beef breeds</li> <li>• Explore careers related to veterinary medicine</li> </ul>	<p>Livestock Terms Chart</p> <p>Beef Breeds Profiles</p> <p>Beef Breeds Quest</p> <p>Canvas Quiz</p>	<p>Veterinarian Guest Speaker</p> <p>4-H Vet Science Manual activities - Veterinary Specialties, You Do the Math, Quality Counts</p> <p>Livestock Terms Activity/Flashcards</p> <p>Chew It Twice (ruminant digestion)</p>

			<p>capon, agricultural product, castrate, mature, offspring, by-products, ruminant, Beef breeds - Texas Longhorn, Shorthorn, Angus, Hereford, Brahman, veterinarian</p>			
<p>Power, Structure, and Technical Systems</p>	<p>4-6</p>	<p>EA-8.1</p>	<ul style="list-style-type: none"> <li>Recognize and apply safety principles as they relate to Ag and everyday life.</li> </ul> <p>Vocabulary: Hazardous, Fatality, Safety Features, Safety Precautions, Operator, Fatigue</p>	<p>Name at least 3 safety principles</p>	<p>Guest Speaker Review Sheets</p> <p>Canvas Quiz</p>	<p>Guest Speaker for Zero Turn Mower Safety</p> <p><a href="#">Farm Safety Lesson</a></p>
<p>Food Science</p>	<p>5</p>	<p>EA-7.1 EA-9.1 EA-9.2</p>	<ul style="list-style-type: none"> <li>Explore how a specific food is made</li> <li>Explore how agriculture/food is incorporated in society</li> <li>Food Science Career opportunities</li> </ul> <p>Vocabulary: Food Scientist, processing, marketing</p>	<p>Cooperate as a group to create and market a product</p>	<p>Group presentation of product</p>	<p>How it's Made Videos/worksheet</p> <p>Ag In the Classroom - Scientist for A Day</p>

