

Wyoming Department of Education Required Virtual Education Course Syllabus

Niobrara County School District # 1

Program Name	Wyoming Virtual Academy	Content Area	SC
Course ID	D-OTH-034V1-DYN	Grade Level	9-12
Course Name	Agriscience	# of Credits	0.5
SCED Code	03063G0.501 1	Curriculum Type	K12 Inc

COURSE DESCRIPTION

Generally offered second semester. Agriculture has played an important role in the lives of humans for thousands of years. It has fed us and given us materials that have helped us survive. Today, scientists and practitioners are working to improve & Better understand agriculture and how it can be used to continue to sustain human life. In this course, students learn about the development and maintenance of agriculture, animal systems, natural resources, and other food sources. Students also examine the relationship between agriculture and natural resources and the environment, health, politics, and world trade.

WYOMING CONTENT AND PERFORMANCE STANDARDS

STANDARD#	BENCHMARK (Standard/Indicator) Use the Standards and Benchmarks as Spreadsheets
HS-LS2-6	Evaluate the claims, evidence, and reasoning that the complex biotic and abiotic interactions in ecosystems maintain relatively consistent numbers and types of organisms in stable conditions, but changing conditions may result in a modified ecosystem.
HS-LS2-7	Evaluate and assess impacts on the environment and biodiversity in order to refine or design a solution for detrimental impacts or enhancement for positive impacts.
HS-ESS2-4	Use a model to describe how variations in the flow of energy into and out of Earth's systems result in changes in climate.
HS-ESS3-1	Construct an explanation based on evidence for how the availability of natural resources, occurrence of natural hazards, and changes in climate have influenced human activity.
HS-ETS1-1	Analyze a major global challenge to specify qualitative and quantitative criteria and constraints for solutions that account for societal needs and wants.
HS-ETS1-3	Evaluate a solution to a complex real-world problem based on prioritized criteria and trade-offs that account for a range of constraints, including cost, safety, reliability, and aesthetics as well as possible social, cultural, and environmental impacts.

SCOPE AND SEQUENCE

UNIT OUTLINE	STANDARD#	OUTCOMES OBJECTIVES/STUDENT CENTERED GOALS

<p>1: The Importance of Agriscience 1.00 Unit Summary 1.00 What Will You Learn in This Unit? 1.01 Farming: The Roots of Civilization</p>		<p>Understand the importance of agriculture in history and definite agriscience.</p> <p>Explain the significance of agriculture in American and state economies</p> <p>Analyze the variables impacting imports and exports.</p> <p>Determine the relationship between agriculture and society at the local, state, national, and international levels</p> <p>Evaluate the reliability of a website and recognize those that are appropriate for use in agriscience.</p>
<p>1: The Importance of Agriscience 1.02 What Is Agriscience? 1.03 A Tale of Two Orange Groves</p>		<p>Understand the importance of agriculture in history and definite agriscience.</p> <p>Explain the significance of agriculture in American and state economies</p> <p>Analyze the variables impacting imports and exports.</p> <p>Determine the relationship between agriculture and society at the local, state, national, and international levels</p> <p>Evaluate the reliability of a website and recognize those that are appropriate for use in agriscience.</p>
<p>1: The Importance of Agriscience 1.04 What Happened to the American Lime? 1.05 Consulting with the World</p>		<p>Understand the importance of agriculture in history and definite agriscience.</p> <p>Explain the significance of agriculture in American and state economies</p> <p>Analyze the variables impacting imports and exports.</p> <p>Determine the relationship between agriculture and society at the local, state, national, and international levels</p> <p>Evaluate the reliability of a website and recognize those that are appropriate for use in agriscience.</p>

<p>1: The Importance of Agriscience 1.06 Text Questions 1.06 Graded Assignment: Text Questions</p>	<p>HS-LS2-6, HS-LS2-7</p>	<p>Understand the importance of agriculture in history and definite agriscience.</p> <p>Explain the significance of agriculture in American and state economies</p> <p>Analyze the variables impacting imports and exports.</p> <p>Determine the relationship between agriculture and society at the local, state, national, and international levels</p> <p>Evaluate the reliability of a website and recognize those that are appropriate for use in agriscience.</p>
<p>1: The Importance of Agriscience 1.07 Lab Questions 1.07 Graded Assignment: Lab Questions</p>	<p>HS-LS2-6, HS-LS2-7</p>	<p>Understand the importance of agriculture in history and definite agriscience.</p> <p>Explain the significance of agriculture in American and state economies</p> <p>Analyze the variables impacting imports and exports.</p> <p>Determine the relationship between agriculture and society at the local, state, national, and international levels</p> <p>Evaluate the reliability of a website and recognize those that are appropriate for use in agriscience.</p>
<p>1: The Importance of Agriscience 1.08 Project #1 1.08 Graded Asssignment: Project #1</p>	<p>HS-LS2-6, HS-LS2-7</p>	<p>Understand the importance of agriculture in history and definite agriscience.</p> <p>Explain the significance of agriculture in American and state economies</p> <p>Analyze the variables impacting imports and exports.</p> <p>Determine the relationship between agriculture and society at the local, state, national, and international levels</p> <p>Evaluate the reliability of a website and recognize those that are appropriate for use in agriscience.</p>

<p>1: The Importance of Agriscience (cont.) 1.08 Project #1 1.08 Graded Assignment: Project #1</p>		<p>Understand the importance of agriculture in history and definite agriscience.</p> <p>Explain the significance of agriculture in American and state economies</p> <p>Analyze the variables impacting imports and exports.</p> <p>Determine the relationship between agriculture and society at the local, state, national, and international levels</p> <p>Evaluate the reliability of a website and recognize those that are appropriate for use in agriscience.</p>
<p>1: The Importance of Agriscience 1.09 Quiz Review 1.10 Quiz Game</p>	<p>HS-LS2-6, HS-LS2-7</p>	<p>Understand the importance of agriculture in history and definite agriscience.</p> <p>Explain the significance of agriculture in American and state economies</p> <p>Analyze the variables impacting imports and exports.</p> <p>Determine the relationship between agriculture and society at the local, state, national, and international levels</p> <p>Evaluate the reliability of a website and recognize those that are appropriate for use in agriscience.</p>
<p>1: The Importance of Agriscience 1.11 Quiz: The Importance of Agriscience 1.12 Discussion 1</p>	<p>HS-LS2-6, HS-LS2-7</p>	<p>Understand the importance of agriculture in history and definite agriscience.</p> <p>Explain the significance of agriculture in American and state economies</p> <p>Analyze the variables impacting imports and exports.</p> <p>Determine the relationship between agriculture and society at the local, state, national, and international levels</p> <p>Evaluate the reliability of a website and recognize those that are appropriate for use in agriscience.</p>
<p>1: The Importance of Agriscience 1.13 Discussion 2 1.14 Podcast</p>	<p>HS-LS2-6, HS-LS2-7</p>	<p>Understand the importance of agriculture in history and definite agriscience.</p> <p>Explain the significance of agriculture in American and state economies</p> <p>Analyze the variables impacting imports and exports.</p>

		<p>Determine the relationship between agriculture and society at the local, state, national, and international levels</p> <p>Evaluate the reliability of a website and recognize those that are appropriate for use in agriscience.</p>
<p>2: Agriscience and the Environment 2.00 Unit Summary 2.00 What Will You Learn in This Unit? 2.01 What Is the Environment?</p>		<p>Explain the relationship between agriscience and the environment.</p> <p>Identify threats to a healthy environment.</p> <p>Compare and contrast practices for conserving renewable and nonrenewable resources.</p> <p>Describe how natural resources are used in agriculture.</p> <p>Demonstrate effective communication skills.</p>
<p>2: Agriscience and the Environment 2.02 What Goes into Water? 2.03 Other Environmental Elements</p>		<p>Explain the relationship between agriscience and the environment.</p> <p>Identify threats to a healthy environment.</p> <p>Compare and contrast practices for conserving renewable and nonrenewable resources.</p> <p>Describe how natural resources are used in agriculture.</p> <p>Demonstrate effective communication skills.</p>
<p>2: Agriscience and the Environment 2.04 Forests and Aquatic Life 2.05 Getting Power to the People</p>		<p>Explain the relationship between agriscience and the environment.</p> <p>Identify threats to a healthy environment.</p> <p>Compare and contrast practices for conserving renewable and nonrenewable resources.</p> <p>Describe how natural resources are used in agriculture.</p> <p>Demonstrate effective communication skills.</p>
<p>2: Agriscience and the Environment 2.06 Elements of Communication</p>		<p>Explain the relationship between agriscience and the environment.</p> <p>Identify threats to a healthy environment.</p> <p>Compare and contrast practices for conserving renewable and nonrenewable resources.</p> <p>Describe how natural resources are used in agriculture.</p>

		Demonstrate effective communication skills.
2: Agriscience and the Environment 2.07 Text Questions 2.07 Graded Assignment: Text Questions	HS-LS2-6, HS-LS2-7, HS-ESS2-4, HS-ESS3-1	<p>Explain the relationship between agriscience and the environment.</p> <p>Identify threats to a healthy environment.</p> <p>Compare and contrast practices for conserving renewable and nonrenewable resources.</p> <p>Describe how natural resources are used in agriculture.</p> <p>Demonstrate effective communication skills.</p>
2: Agriscience and the Environment 2.08 Lab Questions 2.08 Graded Assignment: Lab Questions	HS-LS2-6, HS-LS2-7, HS-ESS2-4, HS-ESS3-1	<p>Explain the relationship between agriscience and the environment.</p> <p>Identify threats to a healthy environment.</p> <p>Compare and contrast practices for conserving renewable and nonrenewable resources.</p> <p>Describe how natural resources are used in agriculture.</p> <p>Demonstrate effective communication skills.</p>
2: Agriscience and the Environment 2.09 Project #2 2.09 Graded Assignment: Project #2	HS-LS2-6, HS-LS2-7, HS-ESS2-4, HS-ESS3-1	<p>Explain the relationship between agriscience and the environment.</p> <p>Identify threats to a healthy environment.</p> <p>Compare and contrast practices for conserving renewable and nonrenewable resources.</p> <p>Describe how natural resources are used in agriculture.</p> <p>Demonstrate effective communication skills.</p>
2: Agriscience and the Environment (cont.) 2.09 Project #2 2.09 Graded Assignment: Project #2	HS-LS2-6, HS-LS2-7, HS-ESS2-4, HS-ESS3-1	<p>Explain the relationship between agriscience and the environment.</p> <p>Identify threats to a healthy environment.</p> <p>Compare and contrast practices for conserving renewable and nonrenewable resources.</p> <p>Describe how natural resources are used in agriculture.</p> <p>Demonstrate effective communication skills.</p>

<p>2: Agriscience and the Environment 2.10 Quiz Review 2.11 Quiz Game</p>	<p>HS-LS2-6, HS-LS2-7, HS-ESS2-4, HS-ESS3-1</p>	<p>Explain the relationship between agriscience and the environment.</p> <p>Identify threats to a healthy environment.</p> <p>Compare and contrast practices for conserving renewable and nonrenewable resources.</p> <p>Describe how natural resources are used in agriculture.</p> <p>Demonstrate effective communication skills.</p>
<p>2: Agriscience and the Environment 2.12 Quiz: Agriscience and the Environment 2.13 Discussion 1</p>	<p>HS-LS2-6, HS-LS2-7, HS-ESS2-4, HS-ESS3-1</p>	<p>Explain the relationship between agriscience and the environment.</p> <p>Identify threats to a healthy environment.</p> <p>Compare and contrast practices for conserving renewable and nonrenewable resources.</p> <p>Describe how natural resources are used in agriculture.</p> <p>Demonstrate effective communication skills.</p>
<p>2: Agriscience and the Environment 2.14 Discussion 2 2.15 Podcast</p>	<p>HS-LS2-6, HS-LS2-7, HS-ESS2-4, HS-ESS3-1</p>	<p>Explain the relationship between agriscience and the environment.</p> <p>Identify threats to a healthy environment.</p> <p>Compare and contrast practices for conserving renewable and nonrenewable resources.</p> <p>Describe how natural resources are used in agriculture.</p> <p>Demonstrate effective communication skills.</p>
<p>3: Plant Science 3.00 Unit Summary 3.00 What Will You Learn in This Unit? 3.01 Plants: Foundation of the Ecosystem</p>		<p>Identify the major parts of plants and state the important functions of each.</p> <p>Describe the relationships among air, soil, water, and essential plant nutrients</p> <p>Compare the cell structure and function of plants, animals, bacteria, and viruses.</p> <p>Apply the different types of soil classification</p> <p>Recognize and use critical thinking skills.</p>
<p>3: Plant Science 3.02 Plants around Us 3.03 Anatomy of Plants</p>		<p>Identify the major parts of plants and state the important functions of each.</p> <p>Describe the relationships among air, soil,</p>

		<p>water, and essential plant nutrients</p> <p>Compare the cell structure and function of plants, animals, bacteria, and viruses.</p> <p>Apply the different types of soil classification</p> <p>Recognize and use critical thinking skills.</p>
<p>3: Plant Science 3.04 Leaves 3.05 On the Cellular Level</p>		<p>Identify the major parts of plants and state the important functions of each.</p> <p>Describe the relationships among air, soil, water, and essential plant nutrients</p> <p>Compare the cell structure and function of plants, animals, bacteria, and viruses.</p> <p>Apply the different types of soil classification</p> <p>Recognize and use critical thinking skills.</p>
<p>3: Plant Science 3.06 Soil Basics 3.07 Building Professional Skills: Critical Thinking</p>		<p>Identify the major parts of plants and state the important functions of each.</p> <p>Describe the relationships among air, soil, water, and essential plant nutrients</p> <p>Compare the cell structure and function of plants, animals, bacteria, and viruses.</p> <p>Apply the different types of soil classification</p> <p>Recognize and use critical thinking skills.</p>
<p>3: Plant Science 3.08 Text Questions 3.08 Graded Assignment: Text Questions</p>	<p>HS-LS2-6, HS-LS2-7, HS-ETS1-1</p>	<p>Identify the major parts of plants and state the important functions of each.</p> <p>Describe the relationships among air, soil, water, and essential plant nutrients</p> <p>Compare the cell structure and function of plants, animals, bacteria, and viruses.</p> <p>Apply the different types of soil classification</p> <p>Recognize and use critical thinking skills.</p>

<p>3: Plant Science 3.09 Lab Questions 3.09 Graded Assignment: Lab Questions</p>	<p>HS-LS2-6, HS-LS2-7, HS-ETS1-1</p>	<p>Identify the major parts of plants and state the important functions of each.</p> <p>Describe the relationships among air, soil, water, and essential plant nutrients</p> <p>Compare the cell structure and function of plants, animals, bacteria, and viruses.</p> <p>Apply the different types of soil classification</p> <p>Recognize and use critical thinking skills.</p>
<p>3: Plant Science 3.10 Project #3 3.10 Graded Assignment: Project #3</p>	<p>HS-LS2-6, HS-LS2-7, HS-ETS1-1</p>	<p>Identify the major parts of plants and state the important functions of each.</p> <p>Describe the relationships among air, soil, water, and essential plant nutrients</p> <p>Compare the cell structure and function of plants, animals, bacteria, and viruses.</p> <p>Apply the different types of soil classification</p> <p>Recognize and use critical thinking skills.</p>
<p>3: Plant Science (cont.) 3.10 Project #3 3.10 Graded Assignment: Project #3</p>	<p>HS-LS2-6, HS-LS2-7, HS-ETS1-1</p>	<p>Identify the major parts of plants and state the important functions of each.</p> <p>Describe the relationships among air, soil, water, and essential plant nutrients</p> <p>Compare the cell structure and function of plants, animals, bacteria, and viruses.</p> <p>Apply the different types of soil classification</p> <p>Recognize and use critical thinking skills.</p>
<p>3: Plant Science 3.11 Quiz Review 3.12 Quiz Game</p>	<p>HS-LS2-6, HS-LS2-7, HS-ETS1-1</p>	<p>Identify the major parts of plants and state the important functions of each.</p> <p>Describe the relationships among air, soil, water, and essential plant nutrients</p> <p>Compare the cell structure and function of plants, animals, bacteria, and viruses.</p> <p>Apply the different types of soil classification</p> <p>Recognize and use critical thinking skills.</p>

<p>3: Plant Science 3.13 Quiz: Plant Science 3.14 Discussion 1</p>	<p>HS-LS2-6, HS-LS2-7, HS-ETS1-1</p>	<p>Identify the major parts of plants and state the important functions of each.</p> <p>Describe the relationships among air, soil, water, and essential plant nutrients</p> <p>Compare the cell structure and function of plants, animals, bacteria, and viruses.</p> <p>Apply the different types of soil classification</p> <p>Recognize and use critical thinking skills.</p>
<p>3: Plant Science 3.15 Discussion 2 3.16 Podcast</p>	<p>HS-LS2-6, HS-LS2-7, HS-ETS1-1</p>	<p>Identify the major parts of plants and state the important functions of each.</p> <p>Describe the relationships among air, soil, water, and essential plant nutrients</p> <p>Compare the cell structure and function of plants, animals, bacteria, and viruses.</p> <p>Apply the different types of soil classification</p> <p>Recognize and use critical thinking skills.</p>
<p>4: The Animal Element 4.00 Unit Summary 4.00 What Will You Learn in This Unit? 4.01 Livestock in America</p>		<p>Understand and explain the evolution and roles of domesticated animals in society.</p> <p>Differentiate between domestication and natural selection.</p> <p>Defend various points of view regarding the use of animals</p> <p>Determine the basic nutritional requirements of animals.</p> <p>Articulate the importance of ethics in the agriculture industry.</p>
<p>4: The Animal Element 4.02 Domestication: Choosing Man's Companions 4.03 Cattle Is King</p>		<p>Understand and explain the evolution and roles of domesticated animals in society.</p> <p>Differentiate between domestication and natural selection.</p> <p>Defend various points of view regarding the use of animals</p> <p>Determine the basic nutritional requirements of animals.</p>

		<p>Articulate the importance of ethics in the agriculture industry.</p>
<p>4: The Animal Element 4.04 The Horse, of Course 4.05 Uses of American Livestock</p>		<p>Understand and explain the evolution and roles of domesticated animals in society.</p> <p>Differentiate between domestication and natural selection.</p> <p>Defend various points of view regarding the use of animals</p> <p>Determine the basic nutritional requirements of animals.</p> <p>Articulate the importance of ethics in the agriculture industry.</p>
<p>4: The Animal Element 4.06 So Many Stomachs 4.07 Building Professional Skills: Legal and Ethical Responsibilities</p>		<p>Understand and explain the evolution and roles of domesticated animals in society.</p> <p>Differentiate between domestication and natural selection.</p> <p>Defend various points of view regarding the use of animals</p> <p>Determine the basic nutritional requirements of animals.</p> <p>Articulate the importance of ethics in the agriculture industry.</p>
<p>4: The Animal Element 4.08 Text Questions 4.08 Graded Assignment: Text Questions</p>	<p>HS-LS2-6, HS-LS2-7</p>	<p>Understand and explain the evolution and roles of domesticated animals in society.</p> <p>Differentiate between domestication and natural selection.</p> <p>Defend various points of view regarding the use of animals</p> <p>Determine the basic nutritional requirements of animals.</p> <p>Articulate the importance of ethics in the agriculture industry.</p>

<p>4: The Animal Element 4.09 Lab Questions 4.09 Graded Assignment: Lab Questions</p>	<p>HS-LS2-6, HS-LS2-7</p>	<p>Understand and explain the evolution and roles of domesticated animals in society.</p> <p>Differentiate between domestication and natural selection.</p> <p>Defend various points of view regarding the use of animals</p> <p>Determine the basic nutritional requirements of animals.</p> <p>Articulate the importance of ethics in the agriculture industry.</p>
<p>4: The Animal Element 4.10 Project #4 4.10 Graded Assignment: Project #4</p>	<p>HS-LS2-6, HS-LS2-7</p>	<p>Understand and explain the evolution and roles of domesticated animals in society.</p> <p>Differentiate between domestication and natural selection.</p> <p>Defend various points of view regarding the use of animals</p> <p>Determine the basic nutritional requirements of animals.</p> <p>Articulate the importance of ethics in the agriculture industry.</p>
<p>4: The Animal Element (cont.) 4.10 Project #4 4.10 Graded Assignment: Project #4</p>	<p>HS-LS2-6, HS-LS2-7</p>	<p>Understand and explain the evolution and roles of domesticated animals in society.</p> <p>Differentiate between domestication and natural selection.</p> <p>Defend various points of view regarding the use of animals</p> <p>Determine the basic nutritional requirements of animals.</p> <p>Articulate the importance of ethics in the agriculture industry.</p>
<p>4: The Animal Element 4.11 Quiz Review 4.12 Quiz Game</p>	<p>HS-LS2-6, HS-LS2-7</p>	<p>Understand and explain the evolution and roles of domesticated animals in society.</p> <p>Differentiate between domestication and natural selection.</p> <p>Defend various points of view regarding the use of animals</p> <p>Determine the basic nutritional requirements of animals.</p>

		Articulate the importance of ethics in the agriculture industry.
4: The Animal Element 4.13 Quiz: The Animal Element 4.14 Discussion 1	HS-LS2-6, HS-LS2-7	Understand and explain the evolution and roles of domesticated animals in society. Differentiate between domestication and natural selection. Defend various points of view regarding the use of animals Determine the basic nutritional requirements of animals. Articulate the importance of ethics in the agriculture industry.
4: The Animal Element 4.15 Discussion 2 4.16 Podcast	HS-LS2-6, HS-LS2-7	Understand and explain the evolution and roles of domesticated animals in society. Differentiate between domestication and natural selection. Defend various points of view regarding the use of animals Determine the basic nutritional requirements of animals. Articulate the importance of ethics in the agriculture industry.
Unit: Midterm Exam Midterm Exam Midterm Exam Discussion		
Unit: Midterm Exam Midterm Exam Discussion (cont.)		
5: Animal Anatomy 5.00 Unit Summary 5.00 What Will You Learn in This Unit? 5.01 Understanding Animal Anatomy		Explore and discuss animal anatomy and systems. Comprehend and describe basic animal genetics. Identify the major pest groups and the importance of effective pest-management programs. Classify the nature of chemicals used to control pests.

		<p>Demonstrate health and safety procedures, regulations, and personal- health practices.</p>
<p>5: Animal Anatomy 5.02 Internal Anatomy 5.03 The Basics of Genetics</p>		<p>Explore and discuss animal anatomy and systems.</p> <p>Comprend and describe basic animal genetics.</p> <p>Identify the major pest groups and the importance of effective pest-management programs.</p> <p>Classify the nature of chemicals used to control pests.</p> <p>Demonstrate health and safety procedures, regulations, and personal- health practices.</p>
<p>5: Animal Anatomy 5.04 Sorting Out Genes 5.05 Preventing Pesky Pests</p>		<p>Explore and discuss animal anatomy and systems.</p> <p>Comprend and describe basic animal genetics.</p> <p>Identify the major pest groups and the importance of effective pest-management programs.</p> <p>Classify the nature of chemicals used to control pests.</p> <p>Demonstrate health and safety procedures, regulations, and personal- health practices.</p>

<p>5: Animal Anatomy 5.06 Chemical Solutions for Problem Pests 5.07 Building Professional Skills: Workplace Safety</p>		<p>Explore and discuss animal anatomy and systems.</p> <p>Compreghend and describe basic animal genetics.</p> <p>Identify the major pest groups and the importance of effective pest-management programs.</p> <p>Classify the nature of chemicals used to control pests.</p> <p>Demonstrate health and safety procedures, regulations, and personal- health practices.</p>
<p>5: Animal Anatomy 5.08 Text Questions 5.08 Graded Assignment: Text Questions</p>	<p>HS-LS2-6, HS-LS2-7, HS-ETS1-3</p>	<p>Explore and discuss animal anatomy and systems.</p> <p>Compreghend and describe basic animal genetics.</p> <p>Identify the major pest groups and the importance of effective pest-management programs.</p> <p>Classify the nature of chemicals used to control pests.</p> <p>Demonstrate health and safety procedures, regulations, and personal- health practices.</p>
<p>5: Animal Anatomy 5.09 Lab Questions 5.09 Graded Assignment: Lab Questions</p>	<p>HS-LS2-6, HS-LS2-7, HS-ETS1-3</p>	<p>Explore and discuss animal anatomy and systems.</p> <p>Compreghend and describe basic animal genetics.</p> <p>Identify the major pest groups and the importance of effective pest-management programs.</p> <p>Classify the nature of chemicals used to control pests.</p> <p>Demonstrate health and safety procedures, regulations, and personal- health practices.</p>

<p>5: Animal Anatomy 5.10 Project #5 5.10 Graded Assignment: Project #5</p>	<p>HS-LS2-6, HS-LS2-7, HS-ETS1-3</p>	<p>Explore and discuss animal anatomy and systems.</p> <p>Compreghend and describe basic animal genetics.</p> <p>Identify the major pest groups and the importance of effective pest-management programs.</p> <p>Classify the nature of chemicals used to control pests.</p> <p>Demonstrate health and safety procedures, regulations, and personal- health practices.</p>
<p>5: Animal Anatomy (cont.) 5.10 Project #5 5.10 Graded Assignment: Project #5</p>	<p>HS-LS2-6, HS-LS2-7, HS-ETS1-3</p>	<p>Explore and discuss animal anatomy and systems.</p> <p>Compreghend and describe basic animal genetics.</p> <p>Identify the major pest groups and the importance of effective pest-management programs.</p> <p>Classify the nature of chemicals used to control pests.</p> <p>Demonstrate health and safety procedures, regulations, and personal- health practices.</p>
<p>5: Animal Anatomy 5.11 Quiz Game</p>	<p>HS-LS2-6, HS-LS2-7, HS-ETS1-3</p>	<p>Explore and discuss animal anatomy and systems.</p> <p>Compreghend and describe basic animal genetics.</p> <p>Identify the major pest groups and the importance of effective pest-management programs.</p> <p>Classify the nature of chemicals used to control pests.</p> <p>Demonstrate health and safety procedures, regulations, and personal- health practices.</p>
<p>5: Animal Anatomy 5.12 Quiz: Animal Anatomy 5.13 Discussion 1</p>	<p>HS-LS2-6, HS-LS2-7, HS-ETS1-3</p>	<p>Explore and discuss animal anatomy and systems.</p> <p>Compreghend and describe basic animal</p>

		<p>genetics.</p> <p>Identify the major pest groups and the importance of effective pest-management programs.</p> <p>Classify the nature of chemicals used to control pests.</p> <p>Demonstrate health and safety procedures, regulations, and personal- health practices.</p>
<p>5: Animal Anatomy 5.14 Discussion 2 5.15 Podcast</p>	<p>HS-LS2-6, HS-LS2-7, HS-ETS1-3</p>	<p>Explore and discuss animal anatomy and systems.</p> <p>Compreghend and describe basic animal genetics.</p> <p>Identify the major pest groups and the importance of effective pest-management programs.</p> <p>Classify the nature of chemicals used to control pests.</p> <p>Demonstrate health and safety procedures, regulations, and personal- health practices.</p>
<p>6: Technology and Agriscience 6.00 Unit Summary 6.00 What Will You Learn in This Unit? 6.01 Technology and Agriculture</p>		<p>Describe efforts made to improve the environment.</p> <p>Analyze the effects of technology on agriculture.</p> <p>Commnicated public concerns about technology and agriculture.</p> <p>Research the laws and regulations around biotechnology.</p> <p>Demonstrate appropriate professional behavior.</p>
<p>6: Technology and Agriscience 6.02 The Food Industry Overview 6.03 Preservatives and Additives</p>		<p>Describe efforts made to improve the environment.</p> <p>Analyze the effects of technology on agriculture.</p> <p>Commnicated public concerns about technology and agriculture.</p> <p>Research the laws and regulations around biotechnology.</p> <p>Demonstrate appropriate professional behavior.</p>

<p>6: Technology and Agriscience 6.04 Too Much Science? 6.05 Critiques of GMOs</p>		<p>Describe efforts made to improve the environment.</p> <p>Analyze the effects of technology on agriculture.</p> <p>Communicated public concerns about technology and agriculture.</p> <p>Research the laws and regulations around biotechnology.</p> <p>Demonstrate appropriate professional behavior.</p>
<p>6: Technology and Agriscience 6.06 Building Workplace Skills: Responsibility and Technical Skills</p>		<p>Describe efforts made to improve the environment.</p> <p>Analyze the effects of technology on agriculture.</p> <p>Communicated public concerns about technology and agriculture.</p> <p>Research the laws and regulations around biotechnology.</p> <p>Demonstrate appropriate professional behavior.</p>
<p>6: Technology and Agriscience 6.07 Text Questions 6.07 Graded Assignment: Text Questions</p>	<p>HS-LS2-6, HS-LS2-7</p>	<p>Describe efforts made to improve the environment.</p> <p>Analyze the effects of technology on agriculture.</p> <p>Communicated public concerns about technology and agriculture.</p> <p>Research the laws and regulations around biotechnology.</p> <p>Demonstrate appropriate professional behavior.</p>
<p>6: Technology and Agriscience 6.08 Lab Questions 6.08 Graded Assignment: Lab Questions</p>	<p>HS-LS2-6, HS-LS2-7</p>	<p>Describe efforts made to improve the environment.</p> <p>Analyze the effects of technology on agriculture.</p> <p>Communicated public concerns about technology and agriculture.</p> <p>Research the laws and regulations around biotechnology.</p> <p>Demonstrate appropriate professional behavior.</p>

<p>6: Technology and Agriscience 6.09 Project #6 6.09 Graded Assignment: Project #6</p>	<p>HS-LS2-6, HS-LS2-7</p>	<p>Describe efforts made to improve the environment.</p> <p>Analyze the effects of technology on agriculture.</p> <p>Communicated public concerns about technology and agriculture.</p> <p>Research the laws and regulations around biotechnology.</p> <p>Demonstrate appropriate professional behavior.</p>
<p>6: Technology and Agriscience (cont.) 6.09 Project #6 6.09 Graded Assignment: Project #6</p>	<p>HS-LS2-6, HS-LS2-7</p>	<p>Describe efforts made to improve the environment.</p> <p>Analyze the effects of technology on agriculture.</p> <p>Communicated public concerns about technology and agriculture.</p> <p>Research the laws and regulations around biotechnology.</p> <p>Demonstrate appropriate professional behavior.</p>
<p>6: Technology and Agriscience 6.10 Quiz Game</p>	<p>HS-LS2-6, HS-LS2-7</p>	<p>Describe efforts made to improve the environment.</p> <p>Analyze the effects of technology on agriculture.</p> <p>Communicated public concerns about technology and agriculture.</p> <p>Research the laws and regulations around biotechnology.</p> <p>Demonstrate appropriate professional behavior.</p>
<p>6: Technology and Agriscience 6.11 Quiz: Technology and Agriscience 6.12 Discussion 1</p>	<p>HS-LS2-6, HS-LS2-7</p>	<p>Describe efforts made to improve the environment.</p> <p>Analyze the effects of technology on agriculture.</p> <p>Communicated public concerns about technology and agriculture.</p> <p>Research the laws and regulations around biotechnology.</p> <p>Demonstrate appropriate professional behavior.</p>
<p>6: Technology and Agriscience 6.13 Discussion 2 6.14 Podcast</p>	<p>HS-LS2-6, HS-LS2-7</p>	<p>Describe efforts made to improve the environment.</p> <p>Analyze the effects of technology on agriculture.</p>

		<p>Communicated public concerns about technology and agriculture.</p> <p>Research the laws and regulations around biotechnology.</p> <p>Demonstrate appropriate professional behavior.</p>
<p>7: Careers in Agriscience 7.00 Unit Summary 7.00 What Will You Learn in This Unit? 7.01 Going Global with Agriscience</p>		<p>Explore issues of global significance and document the impact of agriscience.</p> <p>Identify career opportunities in agriscience.</p> <p>Identify how careers are classified and determine preparation requirements.</p> <p>Identify personal aptitudes and skills needed for solid career planning.</p> <p>Develop a career plan that reflects career interests, pathways, and post secondary options.</p>
<p>7: Careers in Agriscience 7.02 Biology, Biology, Biology 7.03 Nuts and Bolts of Equipment and Safety</p>		<p>Explore issues of global significance and document the impact of agriscience.</p> <p>Identify career opportunities in agriscience.</p> <p>Identify how careers are classified and determine preparation requirements.</p> <p>Identify personal aptitudes and skills needed for solid career planning.</p> <p>Develop a career plan that reflects career interests, pathways, and post secondary options.</p>
<p>7: Careers in Agriscience 7.04 Tractor Basics 7.05 Choosing a Career</p>		<p>Explore issues of global significance and document the impact of agriscience.</p> <p>Identify career opportunities in agriscience.</p> <p>Identify how careers are classified and determine preparation requirements.</p> <p>Identify personal aptitudes and skills needed for solid career planning.</p> <p>Develop a career plan that reflects career interests, pathways, and post secondary options.</p>

<p>7: Careers in Agriscience 7.06 Displaying Character at Work</p>		<p>Explore issues of global significance and document the impact of agriscience.</p> <p>Identify career opportunities in agriscience.</p> <p>Identify how careers are classified and determine preparation requirements.</p> <p>Identify personal aptitudes and skills needed for solid career planning.</p> <p>Develop a career plan that reflects career interests, pathways, and post secondary options.</p>
<p>7: Careers in Agriscience 7.07 Text Questions 7.07 Graded Assignment: Text Questions</p>	<p>HS-LS2-6, HS-LS2-7</p>	<p>Explore issues of global significance and document the impact of agriscience.</p> <p>Identify career opportunities in agriscience.</p> <p>Identify how careers are classified and determine preparation requirements.</p> <p>Identify personal aptitudes and skills needed for solid career planning.</p> <p>Develop a career plan that reflects career interests, pathways, and post secondary options.</p>
<p>7: Careers in Agriscience 7.08 Lab Questions 7.08 Graded Assignment: Lab Questions</p>	<p>HS-LS2-6, HS-LS2-7</p>	<p>Explore issues of global significance and document the impact of agriscience.</p> <p>Identify career opportunities in agriscience.</p> <p>Identify how careers are classified and determine preparation requirements.</p> <p>Identify personal aptitudes and skills needed for solid career planning.</p> <p>Develop a career plan that reflects career interests, pathways, and post secondary options.</p>
<p>7: Careers in Agriscience 7.09 Project #7 7.09 Graded Assignment: Project #7</p>	<p>HS-LS2-6, HS-LS2-7</p>	<p>Explore issues of global significance and document the impact of agriscience.</p> <p>Identify career opportunities in agriscience.</p> <p>Identify how careers are classified and determine preparation requirements.</p> <p>Identify personal aptitudes and skills needed for solid career planning.</p>

		<p>Develop a career plan that reflects career interests, pathways, and post secondary options.</p>
<p>7: Careers in Agriscience (cont.) 7.09 Project #7 7.09 Graded Assignment: Project #7</p>	<p>HS-LS2-6, HS-LS2-7</p>	<p>Explore issues of global significance and document the impact of agriscience.</p> <p>Identify career opportunities in agriscience.</p> <p>Identify how careers are classified and determine preparation requirements.</p> <p>Identify personal aptitudes and skills needed for solid career planning.</p> <p>Develop a career plan that reflects career interests, pathways, and post secondary options.</p>
<p>7: Careers in Agriscience 7.10 Quiz Game</p>	<p>HS-LS2-6, HS-LS2-7</p>	<p>Explore issues of global significance and document the impact of agriscience.</p> <p>Identify career opportunities in agriscience.</p> <p>Identify how careers are classified and determine preparation requirements.</p> <p>Identify personal aptitudes and skills needed for solid career planning.</p> <p>Develop a career plan that reflects career interests, pathways, and post secondary options.</p>
<p>7: Careers in Agriscience 7.11 Quiz: Careers in Agriscience 7.12 Discussion 1</p>	<p>HS-LS2-6, HS-LS2-7</p>	<p>Explore issues of global significance and document the impact of agriscience.</p> <p>Identify career opportunities in agriscience.</p> <p>Identify how careers are classified and determine preparation requirements.</p> <p>Identify personal aptitudes and skills needed for solid career planning.</p> <p>Develop a career plan that reflects career interests, pathways, and post secondary options.</p>

<p>7: Careers in Agriscience 7.13 Discussion 2 7.14 Podcast</p>	<p>HS-LS2-6, HS-LS2-7</p>	<p>Explore issues of global significance and document the impact of agriscience.</p> <p>Identify career opportunities in agriscience.</p> <p>Identify how careers are classified and determine preparation requirements.</p> <p>Identify personal aptitudes and skills needed for solid career planning.</p> <p>Develop a career plan that reflects career interests, pathways, and post secondary options.</p>
<p>8: Agribusiness Management 8.00 Unit Summary 8.00 What Will You Learn in This Unit? 8.01 The Business Side of Agriculture</p>		<p>Compare procedures for marketing plants and animal products.</p> <p>Define management terms and determine how decisions are made.</p> <p>Demonstrate entrepreneurship skills and knowledge of self-employment options and innovative ventures</p> <p>Demonstrate respect for individual and cultural differences and recognize the importance of diversity in the workplace</p> <p>Define "leadership" and identify the responsibilities, competencies, and behaviors of successful leaders.</p>
<p>8: Agribusiness Management 8.02 Distinct Features of Agriculture 8.03 Selling Livestock</p>		<p>Compare procedures for marketing plants and animal products.</p> <p>Define management terms and determine how decisions are made.</p> <p>Demonstrate entrepreneurship skills and knowledge of self-employment options and innovative ventures</p> <p>Demonstrate respect for individual and cultural differences and recognize the importance of diversity in the workplace</p> <p>Define "leadership" and identify the responsibilities, competencies, and behaviors of successful leaders.</p>

<p>8: Agribusiness Management 8.04 Commodity Exchanges 8.05 Building Professional Skills: Leadership</p>		<p>Compare procedures for marketing plants and animal products.</p> <p>Define management terms and determine how decisions are made.</p> <p>Demonstrate entrepreneurship skills and knowledge of self-employment options and innovative ventures</p> <p>Demonstrate respect for individual and cultural differences and recognize the importance of diversity in the workplace</p> <p>Define "leadership" and identify the responsibilities, competencies, and behaviors of successful leaders.</p>
<p>8: Agribusiness Management 8.06 Text Questions 8.06 Graded Assignment: Text Questions</p>	<p>HS-LS2-6, HS-LS2-7</p>	<p>Compare procedures for marketing plants and animal products.</p> <p>Define management terms and determine how decisions are made.</p> <p>Demonstrate entrepreneurship skills and knowledge of self-employment options and innovative ventures</p> <p>Demonstrate respect for individual and cultural differences and recognize the importance of diversity in the workplace</p> <p>Define "leadership" and identify the responsibilities, competencies, and behaviors of successful leaders.</p>
<p>8: Agribusiness Management 8.07 Lab Questions 8.07 Graded Assignment: Lab Questions</p>	<p>HS-LS2-6, HS-LS2-7</p>	<p>Compare procedures for marketing plants and animal products.</p> <p>Define management terms and determine how decisions are made.</p> <p>Demonstrate entrepreneurship skills and knowledge of self-employment options and innovative ventures</p> <p>Demonstrate respect for individual and cultural differences and recognize the importance of diversity in the workplace</p> <p>Define "leadership" and identify the responsibilities, competencies, and behaviors of successful leaders.</p>

<p>8: Agribusiness Management 8.08 Project #8 8.08 Graded Assignment: Project #8</p>	<p>HS-LS2-6, HS-LS2-7</p>	<p>Compare procedures for marketing plants and animal products.</p> <p>Define management terms and determine how decisions are made.</p> <p>Demonstrate entrepreneurship skills and knowledge of self-employment options and innovative ventures</p> <p>Demonstrate respect for individual and cultural differences and recognize the importance of diversity in the workplace</p> <p>Define "leadership" and identify the responsibilities, competencies, and behaviors of successful leaders.</p>
<p>8: Agribusiness Management (cont.) 8.08 Project #8 8.08 Graded Assignment: Project #8</p>	<p>HS-LS2-6, HS-LS2-7</p>	<p>Compare procedures for marketing plants and animal products.</p> <p>Define management terms and determine how decisions are made.</p> <p>Demonstrate entrepreneurship skills and knowledge of self-employment options and innovative ventures</p> <p>Demonstrate respect for individual and cultural differences and recognize the importance of diversity in the workplace</p> <p>Define "leadership" and identify the responsibilities, competencies, and behaviors of successful leaders.</p>
<p>8: Agribusiness Management 8.09 Quiz Game</p>	<p>HS-LS2-6, HS-LS2-7</p>	<p>Compare procedures for marketing plants and animal products.</p> <p>Define management terms and determine how decisions are made.</p> <p>Demonstrate entrepreneurship skills and knowledge of self-employment options and innovative ventures</p> <p>Demonstrate respect for individual and cultural differences and recognize the importance of diversity in the workplace</p> <p>Define "leadership" and identify the responsibilities, competencies, and behaviors of successful leaders.</p>

<p>8: Agribusiness Management 8.10 Quiz: Agribusiness Management 8.11 Discussion 1</p>	<p>HS-LS2-6, HS-LS2-7</p>	<p>Compare procedures for marketing plants and animal products.</p> <p>Define management terms and determine how decisions are made.</p> <p>Demonstrate entrepreneurship skills and knowledge of self-employment options and innovative ventures</p> <p>Demonstrate respect for individual and cultural differences and recognize the importance of diversity in the workplace</p> <p>Define "leadership" and identify the responsibilities, competencies, and behaviors of successful leaders.</p>
<p>8: Agribusiness Management 8.12 Discussion 2 8.13 Podcast</p>	<p>HS-LS2-6, HS-LS2-7</p>	<p>Compare procedures for marketing plants and animal products.</p> <p>Define management terms and determine how decisions are made.</p> <p>Demonstrate entrepreneurship skills and knowledge of self-employment options and innovative ventures</p> <p>Demonstrate respect for individual and cultural differences and recognize the importance of diversity in the workplace</p> <p>Define "leadership" and identify the responsibilities, competencies, and behaviors of successful leaders.</p>
<p>Unit: Final Exam Final Exam Final Exam Discussion</p>		
<p>Unit: Final Exam Final Exam Discussion (cont.)</p>		