

Month	Subject/Chapter	State Standard	Objectives
August	Unit 1 Career Opportunities in Agriculture/Introduction to Agriculture	Grade 9 Language Arts Reading/Literature: 4.1.a, 4.2.c	<ul style="list-style-type: none"> a. Discuss career cluster and pathways. b. Determine the steps to setting career goals. c. Examine the degree requirements, salary and job availability of various careers in agriculture. d. Determine your interests and skills as they relate to careers.
September	Unit 2 Record Keeping/ FFA	Grade 9 Language Arts Reading/Literature: 4.1.a, 4.2.c Algebra 1 1.1.d Geometry 1.1	<ul style="list-style-type: none"> a. Review the types of SAEs. b. Determine the purpose for keeping inventory. c. Explore the various record keeping transactions. d. Determine the purpose and how to close records. e. Discuss records kept for a placement SAE.
October	Unit 3 The Food Industry	Physical Science Process 1.1 Biology Process 1.1 Physical Science Process Standard 7.2 Grade 9 Language Arts Reading/Literature: 4.1.a	<ul style="list-style-type: none"> a. Discuss major operations that occur in the food industry. b. Identify government requirements and other assurance of food quality. c. Identify sources of food products and by-products. d. Discuss food customs of major world populations.
November/ December	Unit 13 Ag Mechanics	Biology Process Standard 3.5	<ul style="list-style-type: none"> a. Identify common hazards in agricultural mechanics. b. Determine the importance of maintaining shop safety. c. Match personal protective equipment with their purposes. d. Discuss important welding safety practices. e. Match classes of fire to their correct descriptions and extinguisher type.
January	Unit 14 Arc Welding and Oxy Fuel Cutting	Environmental Science 1.1, 1.2, 3.5,4.1	<ul style="list-style-type: none"> a. Distinguish among the methods of welding. b. Identify equipment used for shielded metal arc welding. c. Demonstrate procedures for striking an arc and running a bead.

INTRODUCTION TO AGRISCIENCE (AG 1)

			<ul style="list-style-type: none"> d. Identify equipment used for oxyacetylene cutting. e. Explain the purpose of oxygen and fuel gases used in oxy-gas cutting. f. Discuss the oxy-gas cutting process. g. Determine how to properly adjust an oxyacetylene flame. h. Demonstrate the procedure for cutting steel. i. Discuss errors made when cutting steel.
February	Unit 4 Plant and Soil Science	<p>Biology 1.1.a, 5.1, 5.2 Biology Process Standard 2.2 Environmental Science 1.1.c, 1.1.d, 2.4, 4.1.c</p>	<ul style="list-style-type: none"> a. Determine how plants are taxonomically named. b. Discuss how plants are classified d. Examine the processes that occur within a plant leaf. e. Determine the requirements for plant growth. f. Identify types of plant growth media g. Discuss soil formation and major components. h. Read the soil textural triangle
March	Unit 5 The Beef Industry	<p>Grade 9 Language Arts Reading/Literature: 4.1.a, 4.2.c Biology Process Standard 2.1, 2.2 Environmental Science 4.3, 5.1, 5.2, 5.3.a, 5.3.b, 5.3.c</p>	<ul style="list-style-type: none"> a. Discuss the history of the beef cattle industry and its role today. b. Identify major breeds of beef cattle and their characteristics. c. Identify factors to consider when selecting beef cattle for a specific purpose. d. Discuss the phases of beef production. e. Locate the parts of a beef animal g. Determine the consumer products derived from beef cattle.
April	Unit 6 The Swine Industry	<p>Environmental Science 5.1, 5.2, 3.1, 3.2, 3.3 Grade 9: Language Arts 4.1.a, 4.2.c Biology 3.1, 3.2, 3.3</p>	<ul style="list-style-type: none"> a. Discuss the history of the swine industry and its role today. b. Identify major breeds of swine and their characteristics. c. Locate the key parts of a

INTRODUCTION TO AGRISCIENCE (AG 1)

			<p>hog</p> <p>d. Identify consumer products derived from swine.</p> <p>e. Apply the universal ear notching system.</p>
May	Unit 7 The Sheep Industry	<p>Environmental Science 5.1, 5.2, 3.1, 3.2, 3.3</p> <p>Grade 9: Language Arts 4.1.a, 4.2.c</p> <p>Biology 3.1, 3.2, 3.3</p>	<p>a. Discuss the history of the sheep industry and its role today.</p> <p>b. Identify major breeds of sheep and their characteristics.</p> <p>c. Locate the parts of a sheep.</p> <p>d. Identify consumer products derived from sheep.</p> <p>e. Recall facts about wool composition and quality.</p>