

Virginia High School

Introduction to the Agricultural Industry

Course Description: This orientation course provides an opportunity for students to learn how the agricultural industry is organized; its major components; the economic influence of agriculture at state, national and international levels; and the scope and types of job opportunities in the agricultural field. Basic concepts in animal science, plant science, soil science, horticulture, natural resources, and agribusiness management will be presented. Participation in FFA student organization activities and Supervised Agricultural Experience (SAE) projects is an integral course component for leadership development, career exploration and reinforcement of academic concepts.

Lesson	Hours/ Problem Area
<i>AS- AgriScience (Central Core Revised)</i> <i>HO- Horticulture</i> <i>AB- Agricultural Business Management</i> <i>AM- Agricultural Mechanics & Technology</i> <i>APS- Animal, Plant, & Soil Science</i> <i>ER- Environmental Resources</i>	
Unit: A – Agriculture and Society Problem Area: 1 – Recognizing the Role of Agriculture in Society Lesson: AS A1-1 - Nature of the Agriculture/Horticulture Industry Lesson: AS A1-2 - History of Agriculture Lesson: AS A1-3 - Importance of Agriculture to Society Lesson: AS A1-4 - World Food Supply Lesson: AS A1-5 – Analyzing Trends in Agriculture	10
Unit: A – Agriculture and Society Problem Area: 2 – Using Agricultural Organizations and Agencies Lesson: AS A2-1 - Government Agencies in Agriculture/Horticulture Lesson: AS A2-2 – Private Organizations in Agriculture/Horticulture	4
Unit: A – Agriculture and Society Problem Area: 3 – Identifying Careers in Agriculture/Horticulture Lesson: AS A3-1 - Individual Agricultural/Horticultural Interests Lesson: AS A3-2 –Selecting an Agricultural/Horticultural Occupation Lesson: AS A3-3 - Working Conditions and Earning Potential	6
Unit: B – Developing Leadership and Communication Skills Problem Area: 1 – Opportunities in FFA and Youth Organizations Lesson: AS B1-1 - History and Organization of FFA Lesson: AS B1-2 - Opportunities in the FFA Lesson: AS B1-3 – Achievement in FFA Lesson: AS B1-4 – Leading the FFA Chapter Lesson: AS B1-5 - Planning and Conducting Effective Meetings Lesson: AS A1-6 - Youth Clubs and Organizations Lesson: AS A1-7 – School and Community Awareness Lesson: AS A1-8 – FFA Alumni Organization	25
Unit: B – Developing Leadership and Communication Skills Problem Area: 2 – Developing Personal Skills Lesson: AS B2-1 - Self-Understanding and Assessment Lesson: AS B2-2 - Understanding Conflicts and Their Resolution Lesson: AS B2-3 - Ethical Decision Making	5
Unit: B – Developing Leadership and Communication Skills Problem Area: 3 – Developing Communication Skills Lesson: AS B3-1 – Sources of Information Lesson: AS B3-2 – Introduction to Communication	20

<p>Lesson: AS B3-3 – Effective Communication Techniques</p> <p>Lesson: AS B3-4 – Effective Speaking Techniques</p> <p>Lesson: AS B3-5 – Effective Listening Techniques</p> <p>Lesson: AS B3-6 – Persuasive Message</p> <p>Lesson: AS B3-7 – Communication Skills in the Workplace</p> <p>Lesson: AS B3-8 – Written Communication</p>	
<p>Unit: B – Developing Leadership and Communication Skills</p> <p>Problem Area: 4 – Agribusiness Applications</p> <p>Lesson: AS B4-1 – Creating a Business Plan</p> <p>Lesson: AS B4-2 – Record Keeping</p> <p>Lesson: AS B4-3 – Net Worth, Cash Flow, and Income Statements</p> <p>Lesson: AS B4-4 – Budgets and Financial Analysis Ratios</p> <p>Lesson: AS B4-5 – Depreciation, Fixed, and Variable Costs</p> <p>Lesson: AS B4-6 – Computers in Agriculture</p>	17
<p>Unit: B – Developing Leadership and Communication Skills</p> <p>Problem Area: 5 – Understanding SAE's</p> <p>Lesson: AS B5-1 – Benefits of an SAE</p> <p>Lesson: AS B5-2 – Types of SAE Programs</p> <p>Lesson: AS B5-3 – Possible SAE Programs</p> <p>Lesson: AS B5-4 – Planning SAE Programs</p> <p>Lesson: AS B5-5 – Implementing SAE Programs</p> <p>Lesson: AS B5-6 – Keeping and Using SAE Records</p> <p>Lesson: AS B5-7 – Long Range Plans for Expanding SAE Programs</p>	25
<p>Unit: A – Natural Resources</p> <p>Problem Area: 1– Introduction to Natural Resources</p> <p>Lesson: ER A1-1 – Exploring Natural Resources</p> <p>Lesson: ER A1-2 – Understanding Ecology and Ecosystems</p> <p>Lesson: ER A1-3 – Understanding Human Demands on Natural Resources</p> <p>Lesson: ER A1-4 – Comprehending Natural Resource Conservation</p> <p>Lesson: ER A1-5 – Exploring Careers in Natural Resources</p>	10
<p>Unit: D – Soil Science</p> <p>Problem Area: 1 – Basic Principles of Soil Science</p> <p>Lesson: APS D1-1 – The Nature of Soil</p> <p>Lesson: APS D1-2 – Soil Formation</p> <p>Lesson: APS D1-3 – Soil Profile</p> <p>Lesson: APS D1-4 – Soil Color</p> <p>Lesson: APS D1-5 – Soil Texture and Structure</p> <p>Lesson: APS D1-6 – Moisture-Holding Capacity of Soil</p>	15
<p>Unit: E – Plant Science</p> <p>Problem Area: 1 – Career Opportunities in Plant and Soil Science</p> <p>Lesson: APS E1-1 – The Importance of Plant Science</p>	2
<p>Unit: E - Plant Science</p> <p>Problem Area: 6 – Producing Grain Crops</p> <p>Lesson: APS E6-1 – Corn Production</p> <p>Lesson: APS E6-3 – Wheat Production</p> <p>Problem Area: 7 – Producing Oil Crops</p> <p>Lesson: APS E7-1 – Soybean Production</p> <p>Problem Area: 9 – Producing Forage Crops</p>	10

Lesson: APS E9-1 – Forage Production	
Unit: E - Plant Science Problem Area: 12 – Exploring Careers in Plant and Soil Science Lesson: APS E12-1 – Exploring Careers in Plant and Soil Science	2
Unit: A – Horticulture Science Problem Area: 1 – Exploring the Horticulture Industry Lesson: HO A1-1 – Understanding Horticulture Lesson: HO A1-2 – Determining the Importance of the Horticulture Industry Lesson: HO A1-4 – Exploring Career Opportunities in Horticulture	6
Unit: C – Animal Science and the Industry Problem Area: 1 – Introduction to the Animal Science Industry Lesson: APS C1-1 – The Animal Science Industry Lesson: APS C1-2 – How Animals and Animal Products are Used by Humans Lesson: APS C1-3 – Animal Welfare Issues	6
Unit: C – Animal Science and the Industry Problem Area: 7 – Understanding the Livestock, Large Animal, Poultry, and Bee Industries Lesson: APS C7-1 – The Beef Industry Lesson: APS C7-3 – The Dairy Industry Lesson: APS C7-6 – The Swine Industry Lesson: APS C7-8 – The Sheep and Goat Industry Lesson: APS C7-10 – The Poultry Industry Lesson: APS C7-13 – The Equine Industry Lesson: APS C7-15 – The Rabbit Industry	15
Unit: C – Animal Science and the Industry Problem Area: 10 - Exploring Careers in Animal Science Lesson: APS C10-1 Career Opportunities in the Animal Science Industry	2
Total	180