

Orientation to Agriculture in Society (OAS)

Pacing and Curriculum Resources Guide

General Resources

State Standards: Orientation to Agriculture in Society State Standards

Course Description: Orientation to Agriculture in Society Course Description

Course Syllabus: Orientation to Agriculture in Society Syllabus

Note: Many of the lessons will take more than one day to complete. It is recommended that you review documents before completing your own pacing guide. These are recommended resources, and not requirements. The purpose of this document is to provide you with resources to make your own curriculum development easier and help guide your course structure in a systematic and methodical way. Use these resources in a way that best fits you and your students, program, and community. If you find a resource that is not listed, please consider sending it to resourcecenter@careertech.ok.gov so that it can be reviewed and posted as a resource for other teachers. *Hyperlinks to external organizations' resources are subject to change; should that occur, search for the named resource and update your link to it.*

Unit 1: Agriculture in Society (Weeks 1-4)

What is agriculture? (Weeks 1-2)

OAS Unit 1 Lesson 1.1 - Agricultural Industry Basics (OAS 1.01 and 1.03)

OAS Unit 1 Lesson 1.2 - Feeding the World's Growing Population (OAS 1.01 & 1.02)

OAS Unit 1 Lesson 1.3 - The Science of Agriculture (OAS 1.01)

Opportunities in Agricultural Education in Your Community (OAS 2.01)

Note: This lesson should focus on local programming and opportunities.

Significance of Agriculture (Week 3)

OAS Unit 1 Lesson 2.1 - History of Agriculture (OAS 1.04)

OAS Unit 1 Lesson 2.2 - Agriculture in the US (OAS 1.04 and OAS 1.05)

OAS Unit 1 Lesson 2.3 - Oklahoma and Agriculture (OAS 1.06 and OAS 1.07)

OAS Unit 1 Lesson 2.4 - Careers in Agriculture (OAS 2.02)

Orientation to Agricultural Education and FFA (Week 4)

OAS Unit 1 Lesson 3.1 - 3-Circle Model (OAS 2.03)

OAS Unit 1 Lesson 3.2 - FFA Opportunities and Structure.docx (OAS 2.01 and OAS 2.05)

OAS Unit 1 Lesson 3.3 - FFA Mission and Motto (OAS 2.04)

OAS Unit 1 Lesson 3.4 - Supervised Agricultural Experiences and Record Keeping (OAS 2.06, OAS 2.07, OAS 2.08, 2.09)

Unit Resources

Unit Slideshows

- OAS Unit 1 Slideshow.pptx
- OAS Unit 1 Guided Notes
- OAS Unit 1 Lesson 3.1 Slideshow

Key Terms

- OAS Unit 1 Key Terms and Definitions
- OAS Unit 1 Key Term Worksheet

Unit Review

- OAS Unit 1 Review

Enrichment Activities

- OAS Unit 1 Activity 1 - Your FFA Story Interview
- OAS Unit 1 Activity 2 - The SAE Budget Challenge

Choice Board

- OAS Unit 1 Choice Board

Assessments

- OAS Unit 1 Lesson 1 Quiz
- OAS Unit 1 Lesson 2 Quiz
- OAS Unit 1 Lesson 3 Quiz
- OAS Unit 1 Test
- OAS Unit 1 Test Key

Unit 2: Animal and Livestock Production in Agriculture (Weeks 5-10)

Animal Agriculture (Weeks 5-6)

Note: The Lesson titled “OAS Unit 2 Lesson 1.7 - Livestock Production in Oklahoma” has updated state rankings and economic importance for each of the major livestock species in Oklahoma. This is best introduced at the beginning or the end of the lesson.

OAS Unit 2 Lesson 1.1 - Livestock Terminology (OAS 3.01)

OAS Unit 2 Lesson 1.2 - Beef Production in Oklahoma (OAS 3.02, OAS 3.03, OAS 3.04)

OAS Unit 2 Lesson 1.3 - Pork Production in Oklahoma (OAS 3.02, OAS 3.03, OAS 3.04)

OAS Unit 2 Lesson 1.4 - Poultry Production in Oklahoma (OAS 3.02, OAS 3.03, OAS 3.04)

OAS Unit 2 Lesson 1.5 - Dairy Production in Oklahoma (OAS 3.02, OAS 3.03, OAS 3.04)
OAS Unit 2 Lesson 1.6 - Sheep and Goat Production in Oklahoma (OAS 3.02, OAS 3.03, OAS 3.04)

OAS Unit 2 Lesson 1.7 - Livestock Production in Oklahoma (OAS 3.02, OAS 3.03, OAS 3.04)

OAS Unit 2 Lesson 1.8 - Feeding Livestock (OAS 3.05)

Veterinary Science Basics and Health Care (Week 7)

OAS Unit 2 Lesson 2.1 - Role of Veterinarians in Agriculture (OAS 3.06)

OAS Unit 2 Lesson 2.2 - Biosecurity in Animal Agriculture (OAS 3.07)

Small and companion animals (Week 8)

OAS Unit 2 Lesson 3.1 - Companion Animals (OAS 3.08)

Animal agricultural products and By-Products (Weeks 8-9)

OAS Unit 2 Lesson 4.1 - Animal Food Products and By-Products (OAS 3.09, OAS 3.10)

OAS Unit 2 Lesson 4.2 - Non-Food Animal By-Products (OAS 3.10)

Biotechnology in Animal Science (Week 10)

OAS Unit 2 Lesson 5.1 - Ethical Considerations of Biotechnology in Animal Production (OAS 3.11)

Unit Resources

Unit Slideshows

- OAS Unit 2 Slideshow.pptx
- OAS Unit 2 Guided Notes
- OAS Unit 2 Lesson 1.7 Livestock Production in Oklahoma

Key Terms

- OAS Unit 2 Key Terms and Definitions
- OAS Unit 2 Key Terms Worksheet

Unit Review

- OAS Unit 2 Review

Enrichment Activities

- OAS Unit 2 Activity 1 - The Local Source
- OAS Unit 2 Activity 2 - The Pet Care Pamphlet

Assessments

- OAS Unit 2 Lesson 1 Quiz
- OAS Unit 2 Lesson 2 Quiz

- OAS Unit 2 Lesson 3 Quiz
- OAS Unit 2 Lesson 4 Quiz
- OAS Unit 2 Lesson 5 Quiz
- OAS Unit 2 Test

Unit 3: Plant Science in Agriculture (Weeks 11-16)

Major agricultural crops in Oklahoma and their purposes (Weeks 11-12)

OAS Unit 3 Lesson 1.1 - Crop production in Oklahoma Overview (OAS 4.01)
 OAS Unit 3 Lesson 1.2 - Wheat (OAS 4.01)
 OAS Unit 3 Lesson 1.3 - Hay (OAS 4.01)
 OAS Unit 3 Lesson 1.4 - Cotton (OAS 4.01)
 OAS Unit 3 Lesson 1.5 - Sorghum (OAS 4.01)
 OAS Unit 3 Lesson 1.6 - Soybeans (OAS 4.01)
 OAS Unit 3 Lesson 1.7 - Growing Conditions of Crops (OAS 4.02)
 OAS Unit 3 Lesson 1.8 - Crop Rotations and Soil Health (OAS 4.03)
 OAS Unit 3 Lesson 1.9 - Plant-Based Protein (OAS 4.04)

Fruits, vegetables, and nuts (Weeks 13-14)

OAS Unit 3 Lesson 2.1 - Gardening Basics and Planning (OAS 4.05)
 OAS Unit 3 Lesson 2.2 - Horticultural Production in Oklahoma (OAS 4.01)
 OAS Unit 3 Lesson 2.3 - Hardiness Zones (OAS 4.01)

Ornamental and landscaping plants (Week 15)

OAS Unit 3 Lesson 3.1 - Parts of Flowering Plants (OAS 4.06)

- Ag in the Classroom
Lesson Plan, Activity: [Flower Power Lesson Plan](#)
- One Less Thing
Lesson Library, Activities, Worksheets: [Plant Structures Curriculum](#)
- Teachers Pay Teachers
Activity: [Parts of a Flower Craft Diagram](#)
Activity: [Parts of a Flower Digital Escape Room](#)
- National Park Service
Lesson Plan, Slideshow, Activity, Worksheets: [Flowering Plant Reproduction at the Tallgrass Prairie National Preserve](#)

OAS Unit 3 Lesson 3.2 - Pollinators (OAS 4.06)

- Ag in the Classroom
Lesson Plan, Activity: [Ag in the Classroom - If Not for the Pollinators](#)
Lesson Plan, Activity, Worksheet: [Ag in the Classroom - Pollinator Habitats Lesson Plan](#)
- CASE

Lesson Plan, Worksheet, Activity: AgX 6.1 The Pollinator

- One Less Thing

Lesson Plan, Activity, Worksheets, Slideshow, Project: [Pollination and Fertilization](#)

- Teachers Pay Teachers

Project: [Pollinator Bees and Ecology Research Project](#)

Lesson Plan, Worksheet, Slideshow: [Pollinators Doodle Notes and PowerPoint](#)

OAS Unit 3 Lesson 3.3 - Landscaping Design for Flowering Plants, Trees, and Shrubs (OAS 4.07)

- CASE

Lesson Plan, Activity, Worksheet: AgX 2.5 Eye for Design

- AgEd Net

Lesson Library: [Landscaping Lesson Library](#)

- Teachers Pay Teachers

Project: [Landscape Design Project](#)

- University of Florida

Activity, Worksheet: [UFL - Ornamental Trees and Shrubs Activity](#)

- AgEd Net

Lesson Library: [AgEd Net - Landscaping Lesson Library](#)

Biotechnology in plant science (Week 16)

OAS Unit 3 Lesson 4.1 - GMOs in crop production (OAS 4.08)

- Ag in the Classroom

Lesson Plan, Activity, Handout, Slideshow: [Evaluating Perspectives About GMOs Lesson Plan](#)

Lesson Plan, Activity: [Use of Biotechnology in Selecting the Right Plants Lesson Plan](#)

- One Less Thing

Worksheet: [GMOs Worksheet](#)

- Pork Checkoff & National FFA

Lesson Plan, Activity, Worksheet: [Biotechnology Lesson Plan](#)

Lesson Plan, Project: [Extra Extra Biotechnology in Agriculture Lesson Plan](#)

- Teachers Pay Teachers

Project: [Biotechnology Research Project](#)

Activity, Project, Sub Plan: [GMO Sub Plan Enrichment Activity](#)

- Grow Next Gen

Lesson Plan, Slideshow, Lab: [Growing More Food](#)

Lesson Plan, Activity, Worksheet: [Selective Breeding and GMOs](#)

OAS Unit 3 Lesson 4.2 - Gene editing (OAS 4.08)

- Ag in the Classroom

Lesson Plan, Guided Notes, Video: [Methods of Crop Modification Lesson Plan](#)

- Pork Checkoff & National FFA
Lesson Plan, Activity, Worksheet: [Identifying Biotechnology Lesson Plan](#)
Lesson Plan, Guided Notes: [Pros and Cons of Biotechnology Lesson Plan](#)
Lesson Plan, Project: [Extra Biotechnology in Agriculture Lesson Plan](#)

Unit Resources

Unit Slideshows

- OAS Unit 3 Slideshow.pptx
- OAS Unit 3 Guided Notes.docx

Key Terms

- OAS Unit 3 Key Terms

Unit Review

- OAS Unit 3 Review

Enrichment Activities

- OAS Unit 3 Activity 1 - The Crop Match Challenge
- OAS Unit 2 Activity 2 - School Garden
- OAS Unit 3 Activity 3 - Mini Landscape Architect
- OAS Unit 3 Activity 4 - Gene Editing Simulation

Assessments

- OAS Unit 3 Lesson 1 Quiz
- OAS Unit 3 Lesson 2 Quiz
- OAS Unit 3 Lesson 3 Quiz
- OAS Unit 3 Lesson 4 Quiz
- OAS Unit 3 Test

Unit 4: Food Science in Agriculture (Weeks 17-19)

Food Science and Technology (Week 17)

Modern tools and technology used in food processing (OAS 5.01)

- Ag in the Classroom
Lesson Plan, Activity, Slideshow: [The Quicker the Better? Food Processing Lesson Plan](#)
- One Less Thing
Lesson Plan, Activity, Slideshow, Guided Notes: [Food Processing and Safety Lesson Plan](#)

Food processing systems (OAS 5.01)

- Ag in the Classroom
Lesson Plan, Activity, Slideshow: [Food Scientist for a Day Lesson Plan](#)
- CASE
Lesson Plan, Worksheet, Lab, Activity: AgX 7.1 Bread or Cake?
Lesson Plan, Worksheet, Activity: AgX 7.5 Food Processing

Food safety guidelines and techniques (Week 17)

Proper handling, storage, sanitation of foods (OAS 5.02)

- Ag in the Classroom
Lesson Plan, Video, Activity: [Chain of Food Lesson Plan](#)
Lesson Plan, Worksheet, Activity: [Cruisin' for a Bruisin' Food Packaging Specialist](#)
- CASE
Lesson Plan, Lab, Worksheet: AgX 7.2 Squeaky Clean
- One Less Thing
Lesson Plan, Activity, Guided Notes, Worksheet, Slideshow: [Food Processing and Safety All-In-One Lesson Plan](#)

Using temperature, packaging and sanitation to maintain food safety (OAS 5.02)

- Ag in the Classroom
Lesson Plan, Lab, Worksheet: [A Chilling Investigation](#)
Lesson Plan, Lab: [Cooking Right: The Science of Cooking a Hamburger](#)
Lesson Plan, Lab, Worksheet: [Crossed Up!](#)
- CASE
Lesson Plan, Lab, Worksheet: AgX 7.2 Squeaky Clean
- University of Florida
Worksheet, Activity: [UFL Food Safety at Home Assignment](#)
- Teachers Pay Teachers
Lesson Plan, Activity: [Food Safety Scenarios](#)
Lesson Plan, Activity: [Food Safety Task Cards](#)

Food preservation methods (Week 18)

Why we preserve foods (OAS 5.01)

- One Less Thing
Lesson Plan, Slideshow, Activities, Assessments: [Meat Products and Preservation](#)

Types of preservation (OAS 5.01)

- Teachers Pay Teachers
Webquest: [Food Preservation Webquest](#)

Organizations in food science (Week 18)

USDA, FDA, FSIS (OAS 5.04)

- Teachers Pay Teachers
Worksheet: [Whose Job Is It?](#)

Smart Shopping (Week 19)

The basics of food supply chain (OAS 5.03)

- Ag in the Classroom
Lesson Plan, Slideshow, Worksheets, Activity: [The Remarkable Ruminant](#)
- CASE
Lesson Plan, Activity, Worksheet: AgX 8.3 Field to Fork
- National FFA
Lesson Plan, Activity, Worksheet: [Reading Between the Lines Lesson Plan](#)
Resource Library: [Value Chain Lessons](#)

Developing food budgets (OAS 5.03)

- Teachers Pay Teachers
Activity, Worksheet: [Food Purchasing: Financial Budget Plan Google Docs Worksheet Activity](#)
Activity, Worksheet: [Grocery Shopping and Meal Planning on a Budget Project](#)
- SNAP-Ed
Resource Library: [Meal Planning, Shopping, and Budgeting](#)
- US Department of Education
Lesson Plan, Activity: [Financial Literacy: Eating Healthy on a Budget Project-Based Learning Lesson](#)
- Cornell
Slideshow: [Eating Healthy on a Budget](#)
- Weebly
Worksheet: [Healthy Eating on a Budget](#)

Meeting nutritional requirements (OAS 5.03)

- Ag in the Classroom
Lesson Plan, Activity, Worksheet: [A Closer Look at Fats](#)
Lesson Plan, Activity: [What's on MyPlate?](#)
Lesson Plan, Lab: [FoodMASTER Middle: Energy Balance](#)
- National Pork Board
Lesson Plan, Activity, Worksheet: [Pork: Fueling the Future](#)
- Teachers Pay Teachers
Worksheet: [Nutritional Needs and Requirements of Teens Worksheets](#)
Activity: [Menu Planning Activity](#)
- CASE
Worksheet, Activity: AgX 7.4 Food Labels

Following a recipe (OAS 5.03)

- CASE

Lesson Plan, Activity, Worksheet: AgX 7.5 Food Processing

- University of Florida

Lab, Worksheet: [UFL Ice Cream Lab](#)

- Teachers Pay Teachers

Activity, Worksheet: [Reading Simple Recipes 3 Worksheets](#)

Unit Resources

Slideshow

- OAS Unit 4 Slideshow
- OAS Unit 4 Guided Notes

Key Terms

- Unit 4 Key Terms

Unit Review

- OAS Unit 4 Review

Enrichment Activities

- OAS Unit 4 Activity 1 - Meal Planning

Assessments

- OAS Unit 4 Lesson 1 Quiz
- OAS Unit 4 Lesson 2 Quiz
- OAS Unit 4 Lesson 3 Quiz
- OAS Unit 4 Lesson 4 Quiz
- OAS Unit 4 Lesson 5 Quiz
- OAS Unit 4 Test.docx

Unit 5: Natural Resources in Agriculture (Weeks 20-23)

Energy in Oklahoma (Week 20)

Economic importance of energy to Oklahoma (OAS 6.01)

- Oklahoma Energy Resources Board
Lesson Library: [Petro Active, Fossils to Fuel](#)
- EPA
Lesson Plan: [What's in a Label?](#)
Lesson Plan, Activity: [Generate! Game](#)

Types of Energy in Oklahoma (OAS 6.01)

- Ag in the Classroom
Lesson Plan, Activity: [Grow it Now, Drive it Later?](#)

Lesson Plan, Activity: [Geothermal Energy](#)

Lesson Plan, Handout, Lab: [Biofuels and Bioproducts](#)

- CASE

Lesson Plan, Worksheet, Activity: AgX 5.1 Solar S'mores

Lesson Plan, Worksheet, Lab: AgX 5.2 Heating Homes

Lesson Plan, Worksheet, Lab: AgX 5.3 Exploring Ethanol

Lesson plan, Worksheet, Lab: AgX 5.4 Looking at Mash

- Science Matters

Lesson Plan, Visual Aid: [Renewable and Nonrenewable Resources](#)

- One Less Thing

Lesson Plan, Worksheet, Activity, Slideshow: [Renewable and Nonrenewable Resources](#)

- Utah Office of Energy Development

Lesson Plan, Activity: [Many Uses of Petroleum](#)

- Green Ninja

Lesson Plan, Activities, Slideshow, Worksheet: [How Does Petroleum Affect Our Daily Lives?](#)

- CK-12

Lesson Plan: [Petroleum Power](#)

- National Parks Service

Worksheets: [Resources and Energy](#)

- AgEd Net

Resource Library: [Renewable and Alternative Energy Sources Library](#)

- Teachers Pay Teachers

Slideshow: [Energy Resources Teaching Slides](#)

Energy and agriculture (OAS 6.01)

- One Less Thing

Lesson Plan, Slideshow, Activities: [Energy and Agriculture Lesson Plan](#)

Water Resources (Week 21)

Water cycle (OAS 6.02)

- NASA

Lesson Plan, Worksheet, Slideshow, Activity: [Exploring the Water](#)

- South Coast Science Project

Lesson Plan, Lab: [Exploring the Water Cycle](#)

- Teachers Pay Teachers

Worksheet: [Water Cycle - Reading Comprehension Worksheets](#)

Project: [Water Cycle 3D Project Cube](#)

- American Chemical Society

Lesson Plan, Videos, Activity, Worksheet: [The Water Cycle](#)

- National Parks Service

Lesson Plan, Activity: [Watershed Lesson Plan](#)

Major sources of water in Oklahoma (OAS 6.03)

- Ag in the Classroom
Lesson Plan, Activity, Worksheet: [Learn, Protect, and Promote Water!](#)
Lesson Plan, Lab, Worksheet: [Buried Treasure: Oklahoma's Aquifers](#)
- AgEd Net
Lesson Plan, Activity: [Understanding Groundwater Systems](#)
- Oklahoma State University
Lesson Plan, Lab: [Awesome Aquifer](#)
- State of Oklahoma
Resource: [Lakes of Oklahoma](#)

Water in agriculture (OAS 6.04)

- Ag in the Classroom
Lesson Plan, Activity, Slideshow: [Journey 2050 Lesson 3: Water](#)
Lesson Plan, Activity: [Preparing for Drought](#)
- One Less Thing
Lesson Plan, Activities, Worksheets: [Irrigation and Watering Systems](#)
- Teachers Pay Teachers
Activities, Lesson Plan: [Water Usage and Conservation in Agriculture](#)

Oklahoma Wildlife (Week 22)

Wildlife, Game, waterfowl, and migratory bird species in Oklahoma (OAS 6.05)

- Oklahoma Department of Wildlife Conservation
Activities, Games: [Trivia and ID Kahoots!](#)
- Oklahoma Alliance for Geographic Education
Slideshow: [What's on the Menu?](#)
- Oklahoma City Zoo
Resource Library: [Wildlife Teacher Resources and Kits](#)
- National Wildlife Federation
Resource Library: [Educator Tools](#)

Invasive species of Oklahoma (OAS 6.09)

- Ag in the Classroom
Lesson Plan, Activity: [Invasive Species Profile](#)
Lesson Plan, Activity: [Hungry Pests](#)
- Teachers Pay Teachers
Slideshow: [Wildlife and Aquatic Nuisance in Oklahoma](#)
- National Parks Service
Lesson Plan, Slideshow: [Invasive Species Go-Around](#)

Characteristics and locations of ecoregions of Oklahoma (Week 23)

Ecoregions of Oklahoma (OAS 6.06)

- Oklahoma Alliance for Geographic Education
Slideshow: [What's on the Menu?](#)
- Oklahoma Department of Wildlife Conservation
Textbook Chapter: [Biodiversity of Oklahoma](#)
- Plant Maps
Interactive Map: [Oklahoma Ecoregions](#)
- Ag in the Classroom
Lesson Plan, Activity: [Natural and Managed Ecosystems](#)

State parks of Oklahoma (Week 23)

Locations, importance, and examples of Oklahoma state parks (OAS 6.07)

- Ag in the Classroom
Lesson Plan, Activity, Worksheet: [Black Mesa State Park](#)
- Oklahoma Alliance for Geographic Education
Lesson Plan, Activity: [Using the Oklahoma Floor Map to Explore Public Lands](#)
Lesson Plan, Activity: [Leave No Trace](#)

Using a compass and a map (Week 23) (OAS 6.08)

- Teachers Pay Teachers
Lesson Plan, Activity: [How to Use a Compass and Map](#)
- National Parks Service
Lesson Plan, Activity, Handout: [Compass Use Adventure](#)
- Edutopia
Lesson Plan, Activity: [Teaching Directions, Maps, and Coordinates](#)
- United State Geological Survey
Lesson plan, Activity: [Exploring Maps](#)

Unit Resources

Slideshows

- OAS Unit 5 Slideshow.pptx
- OAS Unit 5 Guided Notes.docx

Enrichment Activities

- OAS Unit 5 Activity 1 - Oklahoma Wildlife Field Guide Poster
- OAS Unit 5 Activity 2 - State Parks Travel Brochure
- OAS Unit 5 Activity 3 - Water Sources in Oklahoma

Key Terms

- OAS Unit 5 Key Terms

Unit Review

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Assessments

- OAS Unit 5 Lesson 1 Quiz
- OAS Unit 5 Lesson 2 Quiz
- OAS Unit 5 Lesson 3 Quiz
- OAS Unit 5 Lesson 4 Quiz
- OAS Unit 5 Lesson 5 Quiz
- OAS Unit 5 Test.docx

Unit 6: Power, Structural, and Technical Systems in Agriculture (Weeks 24-28)

Agronomic and livestock machinery and equipment (Week 24) (OAS 7.01)

- National FFA
Lesson Plan, Activity, Worksheet: [Impact of Progress Lesson Plan](#)
- Teachers Pay Teachers
Video, Worksheet: [Modern Marvels - Harvesting Video Questions](#)
- Ag in the Classroom
Resource, Slideshow: [Tractor Timeline - A History of Tractors](#)
- Illinois FFA
Lesson Plan, Video, Worksheet: [How Much Does That Tractor Really Cost?](#)
Lesson Plan, Project: [Timeline of Farm Machinery and Technology](#)
- State of Montana
Lesson Plan: [Who Will Help Me Harvest the Wheat?](#)
- New Mexico FFA
Lesson Plan, Worksheet: [Operating Grain Harvesting and Handling Systems](#)

Emerging technologies in agriculture (Week 25) (OAS 7.02)

- Illinois FFA
Lesson Plan, Activity, Worksheet: [Precision Agriculture](#)
- Ag in the Classroom
Lesson Plan, Video, Slideshow, Activity: [High-Tech Farming](#)
Lesson Plan, Video, Activity: [Drones in High-Tech Farming](#)
Lesson Plan, Video, Activity, Worksheet: [Robots in High-Tech Farming](#)
- University of Florida
Lab, Worksheet: [Precision Agriculture Lab](#)
- National FFA
Lesson Plan, Activity, Worksheet: [Emerging Technologies in Agriculture](#)
Lesson Plan, Activity, Worksheet: [Robotics in Agriculture](#)
Lesson Plan, Project: [Let's Research Technology in Agriculture](#)

Safety in an agricultural power, structural, and technical laboratory (Week 26) (OAS 7.03)

- Teach Ag Mech
Resource Library: [Basic Shop Safety](#)
- Teachers Pay Teachers
Slideshow: [Agricultural Mechanics Shop Safety Slideshow](#)
- Purdue
Lesson Plan: [Gearing Up for Safety - Production Agriculture Safety Training](#)
- New Mexico FFA
Lesson Plan, Assessment: [Using Personal Safety in Agricultural Mechanics](#)
- Georgia FFA
Slideshow, Worksheets: [8-7 Ag Mechanics PPT Ag Safety, Ag Safety Colors, Lab Safety Worksheets](#)

Common tools and fasteners used in agriculture (Week 27) (OAS 7.04)

- Missouri Department of Education
Lesson Plan, Activity: [Common Hand Tools](#)
- Teach Ag Mech
Resource Library: [Tool ID](#)
Resource Library: [Woodworking](#)
- Illinois State Board of Education
Lesson Plan, Activity, Worksheet: [Basic Hand Tools](#)
Lesson Plan, Worksheet: [Fastener Tool Selection](#)
- New Mexico FFA
Lesson Plan, Worksheet: [Using Hand Tools](#)
Lesson Plan, Worksheet: [Using Construction Fasteners and Hardware](#)
- Georgia FFA
Slideshow, Quiz: [8-7 Ag Mechanics Shop Tools and Supplies](#)

Unit Resources

Slideshow

- OAS Unit 6 Slideshow.pptx

Key Terms

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Unit Review

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Enrichment Activities

- Teach Ag Mech

Resource Library: [Woodworking](#)

- AgEd Web

Project Ideas: [Ag Mech Project Plans](#)

Assessments

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