**Agriculture in Society**

**Unit 1:** Agriculture in Society

**Lesson 1:** What is Agriculture?

**Lesson 1.1:** Agricultural Industry Basics

State Orientation to Agriculture in Society Standards:

**OAS 1.01** Describe the agricultural industry, its scope, and importance to the world

**OAS 1.03** Identify and describe different sectors within agriculture

National AFNR Standards:

**FPS.01** Analyze how issues, trends, technologies, and public policies impact systems in Agriculture, Food & Natural Resources Career Cluster.

**FPS.02** Evaluate the nature and scope of Agriculture, Food & Natural Resources Career Cluster and the role of agriculture, food and natural resources (AFNR) in society and the economy.

**FPS.08** Utilize critical thinking to make sense of problems and persevere in solving them.

Student Learning Objectives:

1. Students should be able to identify the importance of agriculture in feeding, clothing, and providing shelter for humans around the world
2. Students will describe different sectors of the agricultural industry, including livestock production, agronomy, horticultural production, aquaculture, forestry, food science, soil science, agriscience, and biotechnology

Outside Resources

1. Ag in the Classroom
   1. [A Search for the Source Lesson Plan](https://agclassroom.org/matrix/lesson/6/) (OAS 1.01)
      1. **Lesson and Activity**- In this lesson, students will learn that agriculture provides nearly all of the products we rely on in any given day by participating in a relay where they match an everyday item with its "source."
2. Pork checkoff & National FFA
   1. [Where would we be without Agriculture.pdf](https://officemgmtentserv-my.sharepoint.com/:b:/r/personal/cody_dean_careertech_ok_gov/Documents/National%20FFA%20Resources/2.1%20Where%20would%20we%20be%20without%20Agriculture.pdf?csf=1&web=1&e=OHhFb5) (OAS 1.01)
      1. **Lesson, Activity, Worksheet**– Students will learn about how agriculture supports all life and define the scope of agriculture’s impact on daily life by participating in an activity where students trade materials to “survive” on a deserted island.
   2. [A Tent off the Pathway.pdf](https://officemgmtentserv-my.sharepoint.com/:b:/r/personal/cody_dean_careertech_ok_gov/Documents/National%20FFA%20Resources/2.2%20A%20Tent%20off%20the%20Pathway.pdf?csf=1&web=1&e=KY2U9x) (OAS 1.03)
      1. **Lesson, Activity, and Worksheet**- Students will learn more about how agriculture supports all life and explain the diversity of the agricultural industry through creative group work including making a poster about different career pathways in agriculture.

Lesson Plan

**Materials Needed**

1. Sticky notes
2. Whiteboard & Markers
3. Print outs with different sectors in agriculture (livestock production, agronomy, horticultural production, aquaculture, forestry, food science, soil science, agriscience, and biotechnology)

**Introduction**

1. Ask the question – When you think of agriculture, what do you think of?
   1. Have students write down responses on sticky pads, share with their partners, and share to the class (Give them 2-3 minutes to write down responses,

**Activity 1**

1. Create a word cloud with the word “Agriculture” in the middle.
   1. Have students post their sticky notes on around the word cloud
      1. Common responses can include: farming, tractors, animals, crops, plants, welding, etc.
      2. Review the responses with your students, make connections to agriculture
2. Main Idea #1: Agriculture is a diverse and global industry that feeds, clothes, and provides shelter to humans.

**Activity 2**

1. Provide each group of students with a paper with 1 of the different sectors listed above
   1. livestock production, agronomy, horticultural production, aquaculture, forestry, food science, soil science, and biotechnology
2. Each group will have 5 minutes to research the sector on their paper and then will need to draw a picture that represents that sector, including providing a definition for the sector.
3. If you have the time, have each group present their poster. Hang the posters around the room
4. Main Idea #2: Agriculture is a broad industry that encompasses many different sectors to help feed, cloth, and provide shelter to humans.

**Review and Closure**

1. Main Idea #1: Agriculture is a diverse and global industry that feeds, clothes, and provides shelter to humans.
2. Main Idea #2: Agriculture is a broad industry that encompasses many different sectors to help feed, cloth, and provide shelter to humans.

**Assessment**

1. Exit Ticket Ideas:
   1. Write down one fact about agriculture you didn’t know before today
   2. Choose 1 sector of agriculture that you DIDN’T research and tell me 1 thing you learned about it