**Agriculture in Society**

**Unit 3:** Plant Science in Agriculture

**Lesson 1:** Major Agricultural Crops in Oklahoma and their Uses

**Lesson 1.1:** Crop Production in Oklahoma Overview

State Orientation to Agriculture in Society Standards:

**OAS 4.01** Examine the roles, uses, processes, and impacts of Oklahoma’s major crops

National AFNR Standards:

**PS.03** Propagate, culture, and harvest plants and plant products based on current industry standards

*This is a good introduction to crop production in Oklahoma.*

PowerPoint: [OAS Unit 3 Slideshow.pptx](https://officemgmtentserv-my.sharepoint.com/:p:/r/personal/cody_dean_careertech_ok_gov/Documents/OAS%20Unit%203%20Slideshow.pptx?d=w32302e5aefbf42f2bfc3ebbc306a51d8&csf=1&web=1&e=PYe8Qp)

**Directions:**

1. Present the Slideshow to introduce crop production in Oklahoma
2. Crop Selection
   1. Have students select 1 of the crops to do research and create a poster
   2. Choose: Wheat, cotton, soybeans, sorghum, hay
3. Guided Research
   1. Provide the following guided questions for students to answer during their research:
      1. What is the crop?
         1. Description, history, etc.
      2. How and where in Oklahoma is it grown?
         1. Climate, regions, farming practices, production timeline
      3. What are the main uses of the crop?
      4. What is the economic impact of this crop in Oklahoma?
         1. Production stats, values, contributions to state’s economy
      5. What challenges does the crop face in Oklahoma?
      6. How s produced, harvested and processed?
4. Poster
   1. Students will create a poster to present their research.
   2. Include:
      1. Title with name of crop and catchy subtitle
      2. Images and picture of the crop and its products
      3. Include information, answering the guided questions at a minimum
   3. Give 1-2 class periods to work on it
5. Gallery Walk
   1. Students will post their posters around the class
   2. Students will walk around the room, view each poster, and take notes on the different crops
6. Quiz Question Creation
   1. Students should write 2 quiz questions related to each crop and turn them in.
7. Class Discussion and review
   1. You will review the quiz questions as a class, instructing students to take notes
8. Quiz
   1. Select 5 quiz questions from those created by students to use on an open-note test