**Agriculture in Society**

**Unit 3:** Plant Science in Agriculture

**Lesson 1:** Major Agricultural Crops in Oklahoma

**Lesson 1.8:** Crop Rotations and Soil Health

State Orientation to Agriculture in Society Standards:

**OAS 4.03** Develop crop rotation strategies to improve soil health

National AFNR Standards:

**ESS.03** Develop proposed solutions to environmental issues, problems, and applications using scientific principles of meteorology, soil science, hydrology, microbiology, chemistry, and ecology.

Student Learning Objectives:

1. Students will describe the purpose and impact of crop rotations on soil health

Outside Resources

1. Ag in the Classroom
   1. [Growing Pulses](https://agclassroom.org/matrix/lesson/426/)
      1. **Lesson Plan and Activity -** This lesson introduces agriculture as a managed system that has environmental impacts, and how farmers employ practices such as growing pulses to minimize these impacts.
2. Teachers Pay Teachers
   1. [Crop Rotation | Earth Science Reading Comprehension Passages & Questions](https://www.teacherspayteachers.com/Product/Crop-Rotation-Earth-Science-Reading-Comprehension-Passages-Questions-12621137)
      1. **Article and Questions –** This resource teachers encourages literacy and helps students learn about the importance of crop rotation in soil health and crop production.
   2. [Crop Rotation Reading Worksheet w/ Answer Key](https://www.teacherspayteachers.com/Product/Crop-Rotation-Reading-Worksheet-wAnswer-Key-EDITABLE-12905491)
      1. **Worksheet -** This lesson has a reading passage and 10 questions for students to answer at the end. It teaches students about the importance of crop rotations.