Oregon Agriculture in the Classroom

Brittany Capell, Educations Programs Coordinator
Source Relay
What is agriculture?

What is Oregon Agriculture in the Classroom (AITC)?

Why teach agriculture?

How do I use Oregon AITC resources for lessons to teach core subject areas?

How do I stay connected with Oregon AITC?

Featured Resources

From Seed to Plant
By: Allen Fowler
This book introduces young readers to pollination and fertilization of plants!

Request Book

Garden in a Glove Kit
This simple lesson gives students an opportunity to investigate how a seed sprouts. It is a great way to get an eye-appropriate book about plants! Then, ask students what they learn about plant needs. Can they survive without water? Soil? Sunlight?

Request Kit

While green beans are a large commodity in Oregon today, do you know where they first originated?
What is agriculture?
“The science, art or practice of cultivating the soil, producing crops, and raising livestock and in varying degrees preparation and marketing of the resulting products.”
The 6 F’s of Oregon Agriculture

Farming
The 6 F’s of Oregon Agriculture

Food
The 6 F’s of Oregon Agriculture

Fiber
The 6 F’s of Oregon Agriculture

Forestry
The 6 F’s of Oregon Agriculture

Fishing
The 6 F’s of Oregon Agriculture

Flowers
Top 10 Commodities

1. Greenhouse & Nursery
2. Cattle & Calves
3. Hay
4. Grass Seed
5. Milk
6. Wheat
7. Grapes for wine
8. Potatoes
9. Blueberries
10. Pears
Why teach agriculture?

• Everyone eats, so everyone is involved in agriculture

• Today’s students are far-removed from production agriculture (1% of Oregonians are farmers)

• Agriculture provides an arena for real-world discovery and problem-solving
Oregon Agriculture in the Classroom

Mission:
To help students grow in their knowledge of agriculture, the environment and natural resources for the benefit of Oregonians today and in the future.
• Agriculture is used as a context to teach core subject standards
• Cross-curricular hands on materials and lessons
• K-12, public, private, homeschool, afterschool, extracurricular, in all 36 counties of Oregon
• Supported by agricultural community
•Aligned to NGSS, CCSS and social studies standards
Lending Library

*These items need returned
*These items do NOT need returned
Calendar Art Contest
Lesson Plans

SOIL HORIZONS & OREGON’S STATE SOIL

This lesson allows students to see the different types of soil by showing them that each different soil particle has a different density. This is a fun and interactive way to get students excited about soil.

INSTRUCTIONS

For instructions, please download PDF.

MATERIALS LIST

• Soil horizon sorting kit
• 1-2 soil samples
• Soil color kit
• Soil horizon kit
• Soil color samples
• Lab to collect soil samples

SOLAR LANDSCAPE DESIGN

This lesson encourages students to think about the different types of plants and soils found in Oregon and how they can be used in landscape design.

INSTRUCTIONS

For instructions, please download PDF.

MATERIALS LIST

• Soil horizon sorting kit
• 1-2 soil samples
• Soil color kit
• Soil horizon kit
• Soil color samples
• Lab to collect soil samples

GARDEN IN A GLOVE

This lesson allows students to investigate and observe how seeds sprout.

INSTRUCTIONS

For instructions, please download PDF.

MATERIALS LIST

• Soil horizon sorting kit
• 1-2 soil samples
• Soil color kit
• Soil horizon kit
• Soil color samples
• Lab to collect soil samples

AICT: AITC Library Resources

Check out these resources on Oregon Agriculture in the Classroom.

Lesson to Grow

Oregon AITC Programs

Downloadable PDF files!
Activity Stations
Additional Resources

• Literature Circles Guide and Suggested Reading
• Oregon Forest Resources Institute: Opportunities for all grade levels. Curriculum, in-class programs, workshops and more!
  • [www.learnforests.org](http://www.learnforests.org)
• American Farm Bureau Foundation for Agriculture: A variety of low-cost and free resources available. Also an educational game, “My American Farm” is also available both online as well as in Google Play and the App Store.
  • [www.agfoundation.org/resources](http://www.agfoundation.org/resources)
BRING YOUR CLASSROOM TO LIFE
We can help you expand your students' knowledge of agriculture, the environment and natural resources.

The Oregon AITC Foundation provides free curriculum, resources and training to K-12 teachers. The program promotes using agriculture to teach science, math, history and nutrition across existing curriculum.

ENGAGED CLASSROOM LEARNING
Events and Additional Training

- Regional Workshops
- District & School Workshops
- Field Day Events
While green beans are a large commodity in Oregon today, do you know where they first originated?

Oregon has 633 school gardens!

View the interactive school garden map on OR Department of Education's Website!
Thank You!

Oregon Agriculture in the Classroom
200 Strand Ag Hall
Corvallis, Oregon 97331
oregonaitc.org

Brittany Capell, Education Programs Coordinator
Brittany.Capell@oregonstate.edu