Source Relay
Workshop Overview

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?
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

Fishing
The 6 F’s of Oregon Agriculture

Flowers
Hungry Planet
• Transportation
• Fertile Land
• Technology
• Religion
• Perishability
• Climate
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
Teach students about:
  • Where their food/fiber comes from
Why teach agriculture?

Teach students about:

- Where their food/fiber comes from
- Jobs/Careers
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- Hands-on learning is fun!
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• Hands-On learning is fun!
• Oregon history and geography
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- Oregon history and geography
- Writing, poetry, art
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- Where their food/fiber comes from
- Jobs/Careers
- Hands-on learning is fun!
- Oregon history and geography
- Writing, poetry, art
- Real life application of core subjects
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.
Program Overview

• 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
Oregon AITC Programs

Lending Library

*These items need returned
*Generally, these items do NOT need returned
Oregon AITC Programs

Agricultural Literacy Project

THE GIRL WHO THOUGHT IN PICTURES
The Story of Dr. Temple Grandin

[Image of the book cover showing a child with images of a rocket, a horse, and a cow]
Calendar Art Contest

Oregon Hazelnuts

Locally Grown

Nature in Oregon

Landscape Painting

Mountain Scene
Get Oregonized

Oregon AITC Programs

CHAPTER 3
DAYS OF THE PIONEERS

CHAPTER 7
OREGON’S INTERIOR VALLEYS
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: Learn more about PDF

MATERIALS LIST

- Soil Horizons Experiment Kit
- Soil Testing Kit
- Soil Horizons & Oregon's State Soil
- Soil Typology & Classification
- Soil Typology & Soil Classification
- Soil Testing & Classification
- Soil Testing & Typology

DIRECTIONS

1. Prepare the soil samples by dividing them into two equal parts. Each part should contain a different type of soil, one of which must be a clayey soil.
2. Place the soil samples into two separate containers, one for each type of soil.
3. Add water to each container until the soil becomes moist.
4. Observe the soil samples and record any differences in color, texture, and density.
5. Calculate the percentage of organic matter in each soil sample using a soil tester.
6. Compare the results with the soil sample from your own area.

Garden in a Glove

Lesson to Grow

Descriptions:

This lesson is designed for students to explore the concept of growing plants in a glove. Students will learn about the importance of soil quality and the role of organic matter in plant growth.

Materials:

- Glove
- Soil sample
- Water
- Sunlight

DIRECTIONS

1. Choose a location with adequate sunlight and soil that is suitable for plant growth.
2. Mix soil and water in a small container until the mixture is moist.
3. Place the soil mixture in the glove and press it firmly into the glove's material.
4. Add water as needed to ensure that the soil remains moist.
5. Observe the plant as it grows and record any differences in growth rate and health.
6. Discuss the importance of soil quality and the role of organic matter in plant growth.

Take this Lesson Further:

- Compare soil samples from different regions and their growth rates.
- Explore the role of organic matter in improving soil quality.
Try it out!

• Breakout into small groups
• Look through the lesson plan and materials
• Answer the following questions:
  • How would this lesson fit into your classroom/program?
  • What did you like best about this lesson?
  • What would you changes or adapt for your program?

Be ready to share!
Events and Additional Training

- Workshops (Preservice, Regional, District and School)
- Field Day Events
- Summer Agriculture Institute
Website Tour

www.oregonaitc.org

Oregon Agriculture in the Classroom Foundation

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
While green beans are a large commodity in Oregon today, do you know where they first originated?

#TexasTuesday


Oregon has 633 school gardens!

View the interactive school garden map on OR Department of Education’s website!
Thank You!

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