



Oregon Agriculture in the Classroom



Jessica Jansen, Executive Director



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

- Cross-curricular hands on materials and lessons
- Aligned to educational standards and objectives
- K-12, public, private, homeschool, afterschool, extracurricular, in all 36 counties of Oregon





Program Logistics

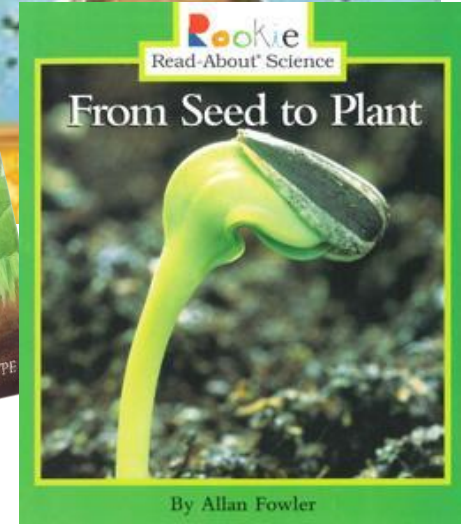
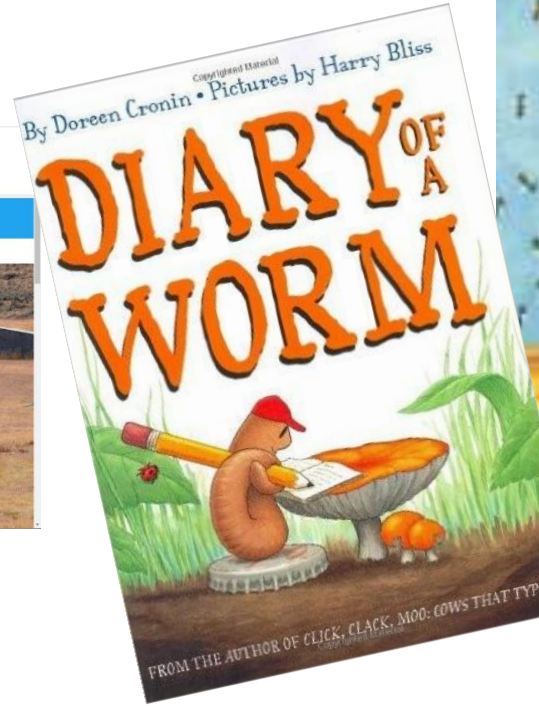
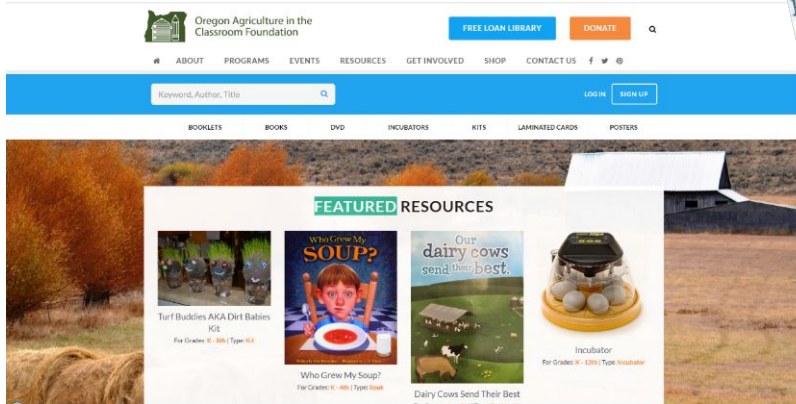
- State affiliate of National Agriculture in the Classroom Organization
- Housed at Oregon State University, College of Agricultural Sciences
- Private non-profit organization





Oregon AITC Programs

Lending Library



Over 400 books, curriculum books and manipulatives sent to educators state wide.



Oregon AITC Programs

Kits



Most popular resources, kits contain everything needed to conduct simple agriculture lessons in the classroom.



Oregon AITC Programs

Lesson Plans

LESSON OVERVIEW

- 1:00 Minutes
- L2-L4 A.9
- 5th - 5th Grade
- State Standard: Science Inquiry A.3-A.4
- Inquiry Big Design A.4-A.6

DOWNLOAD PDF

MATERIALS LIST

Materials:

- Mullen salad dressing spice packet
- 1 Cup soil
- 1 cup vinegar
- 1 Clear jar
- Wash with second hand
- Pencil and paper
- Soils Horizons & Oregon's State Soil Worksheet
- Soil sifter
- Several 5 liter clear bottles
- Water
- Lint-free spoons

SOIL HORIZONS & OREGON'S STATE SOIL

Categories: Science, Soils

This lesson allows students to see the different types of soil by show 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 our PDF

Click [HERE](#) to download the worksheet!



Lesson to Grow

Soil Horizons Demonstration

Description: In the hands-on soil stations learn what a soil profile looks like and what makes up the soil in their area. A student reading, *Soil Horizons & Oregon's State Soil*, reviews the five soil horizons (O, A, B, C, D).

Background: A soil is a solid that has special significance to a particular state. Each state in the U.S. has selected a state soil. These "Official State Soils" have the same level of distinction as other state flowers and birds. Oregon's state soil is Jory.

Teacher Directives: *Nesties Farming in the Blink of an Eye* Soil horizons form over time. You could wait over millions of years. It is a process we can see after 1 to 4 hours, but not in action. The demonstration will help you show that soil horizons are formed - a sort of time-lapse soil horizons.

Additional AITC Resources: Check out our [Soil Horizons & Oregon's State Soil](#) worksheet.

Soils Lesson K - 2
CCSS: ELA-Literacy.CC.181.1
NGSS: 1-ESS1-2, 1-ESS1-3
Title: 1-lesson period
Materials:
All CCSS standards listed
Curriculum Overview: 1 for each state
Curriculum Overview: 1 for each state
5 different types of seeds with average germination rate of each type
Small paper plate

AITC Library Resources: Check out our [Soil Horizons & Oregon's State Soil](#) worksheet.

Library Kit Overview in video: [Watch](#)

Lesson to Grow

Description: This simple lesson gives students an opportunity to investigate and observe how a seed grows.

Directions:

- Write your name on the palm section of a clear plastic glove with a permanent marker. Also label each finger with a different type of seed (see Materials List for seed suggestions).
- Soak the cotton balls in water. Give each cotton ball 2-3 finger spaces to wrap or cover water.
- Place 2-3 seeds on a small paper plate or paper towel and stick the seeds with moistened cotton balls.
- Put the cotton ball with the seeds attached to the matching colored finger to your glove.
- Teacher Tip: This may need to be done to pop the cotton ball off the near to the tip of the glove finger. For large seeds like pumpkin, use only two seeds.
- Repeat the seed pick-up and depositing in the glove with the additional cotton balls and seeds.
- Put the glove in a window, chalkboard, or wall. A chalkboard can also be used with colored markers holding the glove on the line.
- Depending on what seeds are used, germination will take place in 3-5 days. The cotton balls should be moist through germination.
- Germination seeds can be transferred to T-Zeal. Cut a portion of each finger and put out the germinated seeds, cotton ball and silk, and hang/drop into a container with soil.

Take this Lesson Further:

- Compare and contrast different seed types and their germination rates.
- Compare seed germination during different times of the year.

Oregon Agriculture in the Classroom Foundation

LEARNING LIBRARY | SIGN IN

ABOUT | PROGRAMS | EVENTS | RESOURCES | GET INVOLVED | SHOP | CONTACT

E-LEARNING RESOURCES



Virtual Resources for Remote Learning

We hope these resources find you healthy in this time of virtual learning. Enjoy our online virtual resources available to you and your students at the click of a button!



PK-2-2ND



3RD-5TH



6TH-8TH



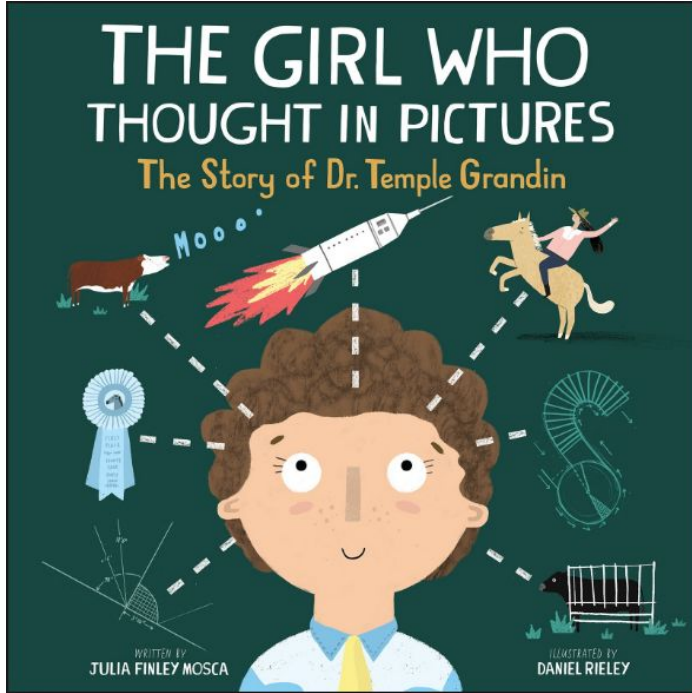
9TH-12TH

Searchable database, downloadable PDF files!



Oregon AITC Programs

Agricultural Literacy Project





Oregon AITC Programs

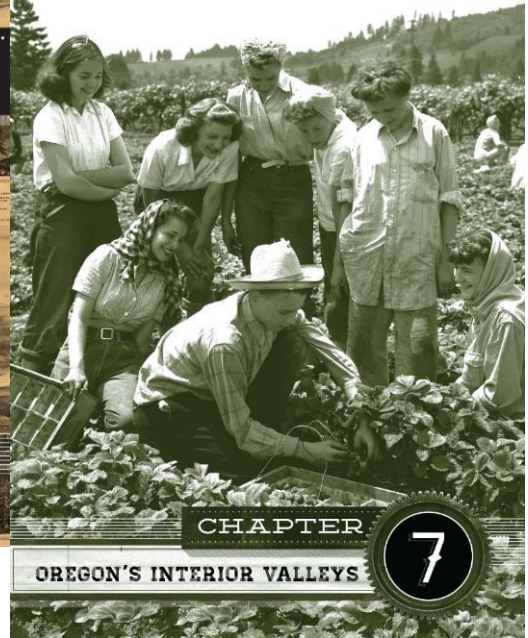
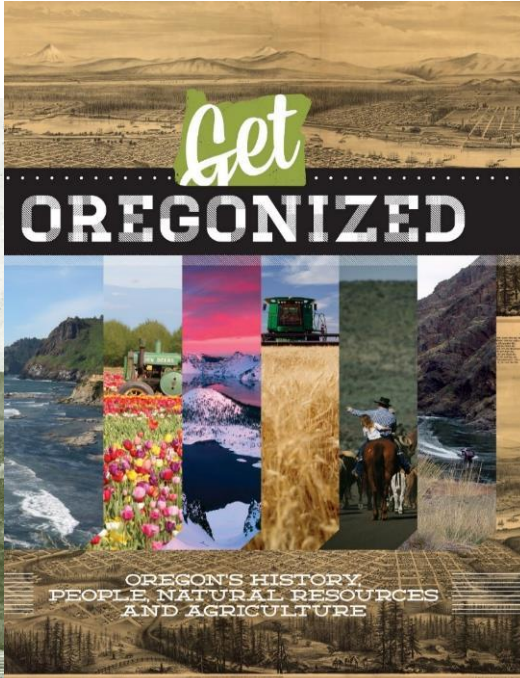
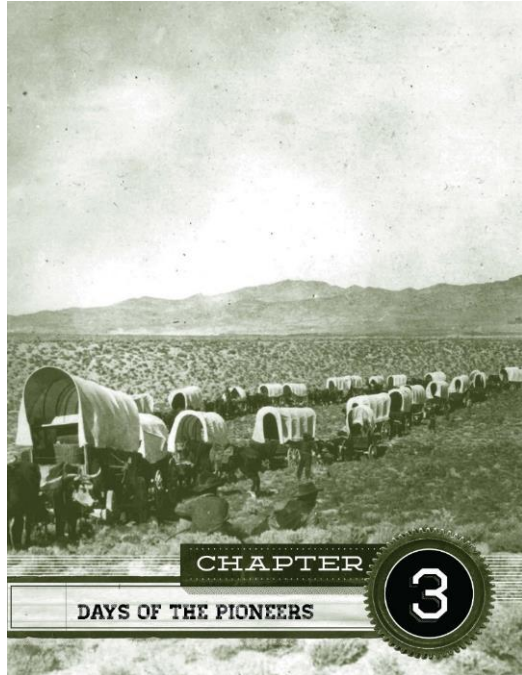
Calendar Art Contest





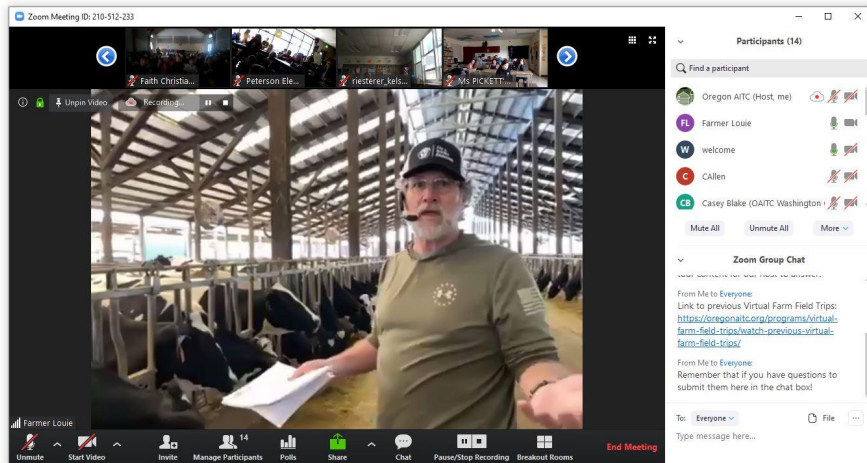
Oregon AITC Programs

Get Oregonized





Virtual Field Trips



20 field trips

**16,233
participants**

**14,450
additional
video views**





Specialty Crop Subscription Boxes



September 2020 - Apples

[VIEW LESSON](#)



October 2020 - Vegetable Garden

[VIEW LESSON](#)



November 2020 - Cranberries

[VIEW LESSON](#)



December 2020 - Mint

[VIEW LESSON](#)



January 2021 - Flowers

[VIEW LESSON](#)



February 2021 - Greenhouse & Nursery

[VIEW LESSON](#)



March 2021 - Fruits

[VIEW LESSON](#)



April 2021 - Squash, Sweet Corn and Beans

[VIEW LESSON](#)



May 2021 - Honey "Coming soon!"



June 2021 - Turf Grass "Coming soon!"



2020-2021 School Year
66 3-5th Grade Classrooms
1,596 Students



Specialty Crop Subscription Boxes

Subscription Box Topics



Pre-test
K-2: [Printable](#) | [Online](#)
3-5: [Printable](#) | [Online](#)



September - Introduction to Agriculture
K-2: [Printable](#) | [Online](#)
3-5: [Printable](#) | [Online](#)



October - Apples
Coming Soon



November - Native American Indian Heritage Month
Coming Soon



December - Christmas Trees
Coming Soon



January - Wool
Coming Soon



February - Black History Month (Hydroponics)
Coming Soon



March - Women's History Month
Coming Soon



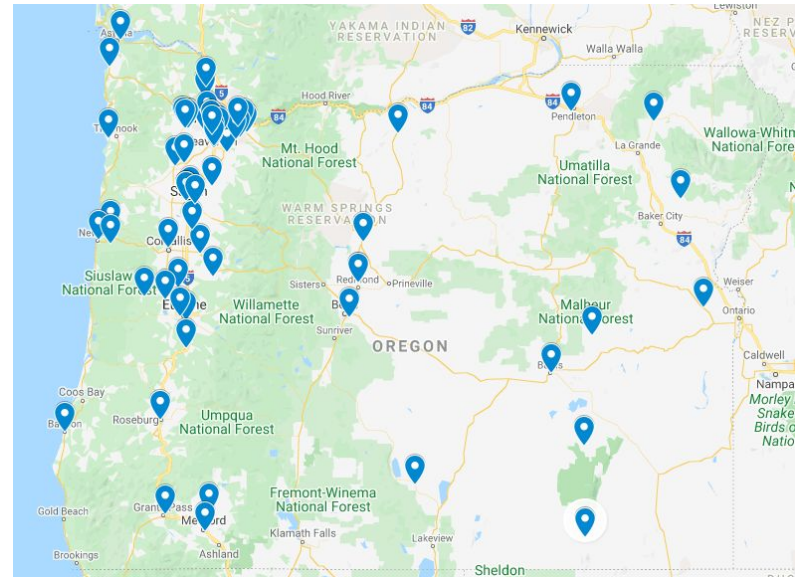
April - Honey & Beeswax
Coming Soon



May - Greenhouse & Nursery
Coming Soon



June - Dairy Cows
Coming Soon



2021-2022 School Year
74 K-5th Grade Classes
2,083 Students



Educator Professional Development

- 348 educators participated in workshops during 2020-2021 School Year
- Monthly workshops offered during 2021-2022 School Year
 - Hen House Engineering, Classroom Greenhouses, Soil Science, Honey bees and more!

Aquaponics Workshop



Microgreens in the Classroom



Agricultural Literacy Workshop



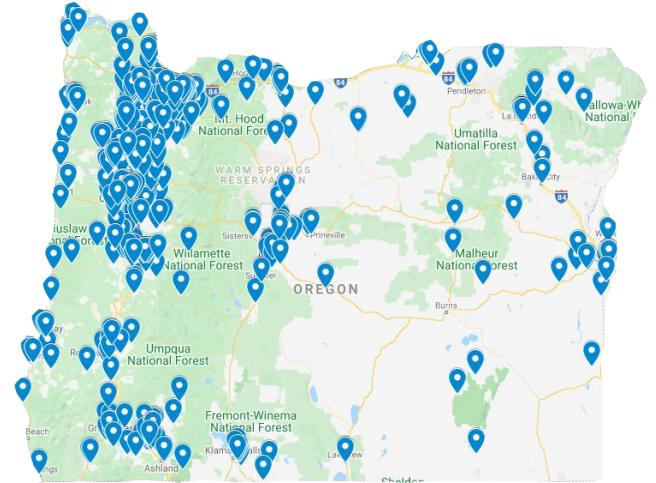


Program Impact- 2020-2021 School Year

304,460 students



4,127 educators



2,049 Items Distributed



Thank You!

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