

Oregon Science Education & Outdoor School

Alexa Pearson, Director of the Standards and Instruction Jamie Rumage, Science Education Specialist

ODE Equity Stance

Education equity is the equitable implementation of policy, practices, procedures, and legislation that translates into resource allocation, education rigor, and opportunities for historically and currently marginalized youth, students, and families including civil rights protected classes. This means the restructuring and dismantling of systems and institutions that create the dichotomy of beneficiaries and the oppressed and marginalized.

Ongoing Relationship with Outdoor School

- Supporting and consulting role as needed
 - Jamie Rumage, Science Education Specialist Coordinating the science education vision and standards alignment with Friends of Outdoor School, Grey Family Foundation, Oregon Forest Resources Institute, and OSU-Extension Outdoor School; Oregon Environmental Literacy Plan - assisted with RFP development with Grey Family Foundation
- ODE Education specialists have served on OSU Outdoor School Advisory Committee
 - Current member is **Deb Bailey**, ODE's STEM Education Specialist
- ODE/ODS coordination meetings every two months
- ODE wrote <u>Supplemental Guidance for Outdoor School Programs</u> guidance during 2020-2021 school year for Outdoor School

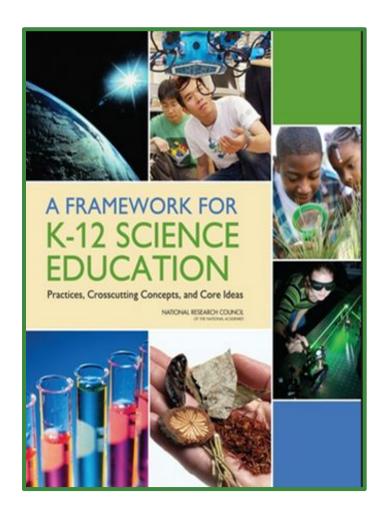
Science Education and Outdoor School Resources

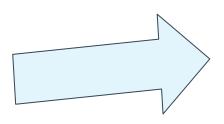
In addition to the adopted Science education standards:

- <u>Framework for K12 Science Education</u> highlights how learners should conduct field investigations of the natural world.
- STEM Teaching Tools provides resources on how to engage learners in authentic science practices <u>outside the classroom</u> and engage in <u>climate science</u> within a localized context.
- <u>Learning in Places</u> provides storyline frameworks for educators working in a variety of places.
- Oregon Open Learning Hub offers openly licensed materials for educators, partners, and community members.



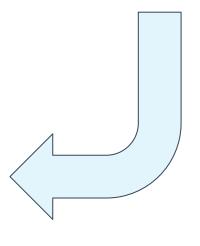
Oregon Context











Process 1 Standards Adoption

- Public feedback on current standards
- Drafts submitted to SBE
- Drafts posts for public comment
- Final review and revision
- Standards adopted by SBE
- Writing teams to crosswalk/review/rewrite standards

-Rollout Plan -Implementation Guides

Process 2 Standards Rollout

- Support to district and building leaders
- Systems implementation guides
- **Guiding documents**
- Rollout/Implementation timeline
- Best practice guides

Process 3 Instructional Materials Adoption

- **Instructional Materials** Panel reviews materials
- Publishers notified of scores
- List put forth to SBE for Adoption
- Materials list posted to ODE website

-Recruit for Assessment Advisory Panel

Process 4

Cont. Standards Implementation

- Assessment Advisory Panel for ongoing
- General Science Advisory Panel
- Supports and Professional development created
- Analysis of assessment data
- Systems of support

SPRING

-Public feedback on current standards

SUMMER

-Standards revision Advisory Panel

2021

FALL

-Standards revision Advisory Panel

WINTER

-Standards revision **Advisory Panel**

SPRING

-Standards Adopted by SBE

-IM criteria developed

FALL

SUMMER

adopted by SBE

-PD standards

-IM criteria

rollout

WINTER **Publishers** notified

SPRING

-Prep IM Criteria -Recruit for IM Panel

-PD on standards rollout

SUMMER

IM review Panel

2022-2023

FALL

-IM list adopted by SBE

WINTER

-PD on best practices

SPRING

-PD on best practices

SUMMER

-PD on best practices

2023-2024

FALL

-New IM in classrooms

-PD on best

SPRING

practices

SUMMER WINTER

-PD on best -PD on best practices practices

2024-2025

2021-2022

Where Oregon might be headed...

Questions?

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