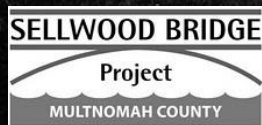


# Multnomah County's Sellwood Bridge Project

## School-Based Outreach Program

---



Lois D. Cohen Associates



# Program Reach

---



4-year program, 75 classroom visits, 70 project volunteers  
and over 2000 student learning experiences



# Faubion Elementary School

---

- 9 class visits, including SUN school program
- Several classes each visit
- Range of activities





# Project professionals enhanced each visit

---

- Exposing students to a variety of careers
- Giving each student personal attention and encouragement
- Helping redefine gender roles





# Sellwood Bridge school lessons were...

- Hands-on
- Inquiry-based
- Developmentally appropriate
- Connected to a real-world, local project





# Lessons complement curriculum

---

Activities meet STEM requirements. Next Generation Science Standards addressed include:

LS2.A Interdependent Relationships in Ecosystems

LS2.B Cycle of Matter and Energy Transfer in Ecosystems

ESS2.C Roles of Water in Earth's Surface Processes

ESS3.C Human Impacts on Earth Systems

ETS1.A Defining and Delimiting Engineering Problems

ETS1.B Developing Possible Solutions

ETS1.C Optimizing the Design Solution



# Math concepts addressed

---

- Geometry
- Capacity
- Cost
- Budget
- Timelines
- Effect on economy





# Students practiced:

- Cooperation and teamwork
- Friendly competition
- Higher level skills (applying, analyzing, presenting, problem-solving, creating)





# Alder School Field Study at the Sellwood Bridge

---

Morning field trip to the bridge for all of our 80+  
second graders





# Benefits of pre-visit collaboration

---

Pre-visit planning created an experience that:

- Advanced our curricular goals
- Addressed Common Core and Next Generation standards
- Introduced advanced vocabulary, enhancing their writing





# Station Rotation





# What students enjoyed

---

- Taking a field trip, despite lack of funding
- Applying school learning to real local project
- Developing a connection to the bridge
- Expanding understanding of their city
- Working with engineers and contractors
- Having fun!





# Nearly 20 Project Volunteers...

---

- Built relationships with students and enhanced learning
- Redefined gender roles
- Showed how many people are working together on this project to improve our community
- Inspired students to set new career goals
- Made a lasting impact on students





# Thank you

