



Oregon Trail School District Science Adoption: Recommended Materials

In support of the Next Generation Science Standards Implementation Fall 2017

Elementary:

K-5: FOSS by the Lawrence Hall of Science/ University of California, Berkley and Delta Education

- 3 modules/kits per grade level (one of each life, physical, earth/space)
- Includes teacher materials, student books, hands on labs materials/equipment
- Professional development

High School:

9-12: Open source materials for Physics 1 and Biology; various publishers for remaining courses.

- Books
 - Physics 2: Wiley Plus Introductory Physics with Calculus 10th Edition; qty. 40
 - AP Chemistry: chemistry: The Central Science; qty. 42
 - Oceanic Science: The Worlds' Last Wilderness Revealed; qty. 25
 - Environmental Science: The Science Behind the Stories; qty. 30
 - Zoology: Kaufman Field Guide to Insects; qty. 60
 - Botany: Plants of the Pacific Northwest Coast; qty. 60 and Macrolichens of the Pacific Northwest; qty. 6
- Update Lab Equipment
 - Varies by course; primarily Physics 1 and Biology
- Investment in Professional Development
 - Argument Driven Inquiry; train the trainer training; 2 teachers, 4 days in the summer
 - Course development and alignment; science teachers- 5 days throughout the year
- Investment in Technology
 - Chrome book class sets with charging carts for each science classroom (6)
 - Variety of science probes for labs and investigations
 - Classroom digital displays from Chrome Books