

# Discovery Education Science Oregon, Middle School

## Approved for Adoption

Use Basal Instructional Materials  
Funds for Purchase



## 21<sup>st</sup> Century Science for Oregon's Students

Discovery Education Science is an online basal service for middle school supporting science inquiry with content tied to Oregon state science standards. The service provides core science content through multiple learning modalities, and coupled with a real-time assessment component that measures students' progress, it recommends individualized resources that reinforce classroom instruction.

Bolstered by comprehensive professional development and organized around an inquiry framework covering Physical, Earth and Space, and Life Sciences, Discovery Education Science is a digital resource designed to encourage exploration, stimulate critical thinking, and deepen students' understanding of science.



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Core Standard for Physical, Earth and Space, and Life Sciences	6	7	8
Structure and Function	√	√	√
Interaction and Change	√	√	√
Scientific Inquiry	√	√	√
Engineering Design	√	√	√

## Content is correlated to the Oregon State Core and Content Standards and Essential Skills grades 6-8

- Provides content in multiple digital formats for teachers and students to use in mastering the 2009 Oregon State Science Standards.
- Over 17,000 digital middle school science resources are searchable by Oregon State Content Standards. Teachers can quickly identify and access the exact resources that address a specific standard to use them for instruction or assign them to students.
- Scientific Inquiry is fully addressed with unique attention to investigative design. Virtual investigations compliment and reinforce hands-on investigation.
- Engineering Design standards are taught through Virtual Labs and Simulations.
- Discovery Education Science provides a rich opportunity for students to practice science investigative design and connect this experience to hands-on investigations.

## Enables teachers to differentiate instruction by providing materials that address a wide range of learning styles and abilities

- Digital media content is delivered in a variety of formats: text, video, and audio. Students can access content in a way best suited to their learning style.
- Language support is provided to English Language Learners with over 150 Reading Passages translated into Spanish.
- Over a third of the videos within the service have been closed-captioned to support the connection between written and spoken English.
- Teacher's Guides explain how teachers can use digital resources for whole class instruction as well as how to target resources to individual student needs.
- Teacher's Guides explain how technology supports formative assessment and instructional planning to meet the needs of individual students. Teachers can quickly build brief quizzes from the large item bank, assign them to students, get results, and plan for instruction based on the data.
- Leveled Reading Passages enable struggling readers to access text.
- Reading materials are written on various Lexile levels for middle school readers.





Discovery Education Science Digital Media Resource Type	Number
Video Segments	8,700+
Interactive Explorations, Virtual Labs, Integrated Science Simulations, and Science Slueths	250+
Interactive Videos	50+
Science Images	6,400+
Reading Passages	1,220
Interactive Periodic Table of the Elements	1

### **Diagnostic and prescriptive assessment component enables teachers to monitor student progress, provide remediation, and support student achievement**

- Support the cycle of formative assessment and instruction by providing an efficient and effective means for teachers to quickly assess students, review data, and assign resources based on the results.
- 2,200 assessment item bank, linked to remediation resources, searchable by specific Oregon State Science Standards or keyword.

### **Discovery Education provides materials in both digital and print formats that are easy to locate and use and support a variety of learning modalities**

- Student materials in Discovery Education Science are delivered in both digital and print formats.
- Active navigation allows teachers and students to delve deeper into each topic.
- A powerful keyword search is available that includes a spelling correction feature as well as an advanced search.
- An Oregon State Science Standard search allows teachers to click on the standard and reveal an entire list of all digital resources related to that standard.

### **Discovery Education Science provides on-going professional development**

- Contains an online professional development area including an interactive course that familiarizes teachers with each type of resource and its instructional uses.
- Best practices videos are available in the professional development area. These videos illustrate the 5E model of instruction in science with footage from three middle school science classrooms and interviews with exemplary science teachers.
- Links teachers to an extensive professional community, the Discovery Educator Network. Over 120,000 strong, this network fosters sharing and collaboration between educators throughout the U.S.
- Discovery Education offers direct on-site science program training that incorporates science concepts, science practice, and the use of educational technology to improve achievement by differentiating instruction and monitoring student learning.



# 21<sup>st</sup> Century Science for Oregon's Students

## Inspire Technology-Savvy Students with Video and Interactives

- Immerse students in science with video segmented into concept-level clips including Mythbusters, Planet Earth, Jeff Corwin, Brink, and titles from WGBH.

## Reinforce Mathematics and Language Arts Skills with Science

- Learn to interpret data, draw conclusions supported by data, and practice important math skills through Virtual Labs.
- Engage students with Simulations, Explorations, Reading Passages, videos, and images.

## Improve Instruction with Real-Time Feedback

- Online assessment tools built into Discovery Education Science make differentiating instruction more efficient by providing timely recommendations for remediation so individual students can progress.

## Support for Success

- Teacher's Guide and DVD with digital resources provide pathways for instruction that address the needs of diverse classrooms.
- Onsite professional development to build capacity and ensure appropriate implementation.



Request a preview for your school or district at  
**DiscoveryEducation.com/Oregon.**

Questions? Call **800-323-9084** or  
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