

Science Resources

BOZEMANSCIENCE

Bozemanscience is maintained by Paul Andersen, a science teacher in Bozeman, MT. He has created hundreds of science videos that have been viewed millions of times by students and teachers around the world. All of these videos are accessible from this website.

Topics include: **NGSS - Next Generation Science Standards, Anatomy & Physiology, Chemistry, Statistics & Graphing, AP Biology, Earth Science, Biology, Physics**
<http://www.bozemanscience.com/>

Science & Math Resources

In today's world, giving students a solid background and understanding in math and science is vital. Compared to past decades, there are now more careers than ever that are rooted in math and science fields. This webpage provides links to practical uses of math and science and lets students know that they have access to extra help outside of class and demonstrates how math and science does apply to very real and practical situations.

<http://www.crucial.com.au/web-support-math-and-science-resources.php>

Cybrary Man's Internet Catalogue for Science Resources

Over 20,000 relevant links!

<http://cybraryman.com/sciencelinks.html>

Delaware Science Assessment Program

This site includes both formative and summative assessments for grades K-12.

http://www.doe.k12.de.us/infosuites/staff/sci_assess/elemk5/sum_k5/weather.shtml

Draft South Carolina Standards and Performance Expectations for Science

<http://ed.sc.gov/agency/se/Teacher-Effectiveness/Standards-and-Curriculum/DraftScienceStandardsPage.cfm>

Framework for K-12 Science Education

To access the free PDF A Framework for K-12 Science Education: Practices, Crosscutting Concepts, and Core Ideas, go to this weblink. First register at this website and create a MyNAP account. Once the MyNAP account has been created, go to the catalog page for the title you want.

http://www.nap.edu/catalog.php?record_id=13165

Revised Science Education Standards and Model Curriculum

Revised Science Education Standards and Model Curriculum from the Ohio Department of Education:

<http://www.ode.state.oh.us/GD/Templates/Pages/ODE/ODEDetail.aspx?page=3&TopicRelationID=1705&ContentID=76585>

Science Lesson Plans aligned to Common Core

<http://www.inspiration.com/lessonplans/inspiration#science-lesson-plans>

South Carolina Science Education Leadership Association (SCSELA)

Be sure to check out the resources page!

<http://www.scsela.org/Pages/default.aspx>

STEM Matrix-Characteristics of High Functioning STEM Schools

<http://www.s2temsc.org/matrix>

Tools for Ambitious Science Teaching

This web site provides tools and resources that support ambitious science instruction at the **middle school and high school levels**. Ambitious teaching deliberately aims to get students of all racial, ethnic, and class backgrounds to understand science ideas, participate in the discourses of the discipline, and solve authentic problems. There are 4 core instructional strategies that support this kind of teaching.

These **"high-leverage" practices** make up the Science Learning Framework, and have been selected based on extensive research of how young people learn science, on authentic forms of science activity, and how teachers learn to appropriate new practices.

<http://tools4teachingscience.org/>


Learning Progression for Draft 2013 Science Standards

 Learning Progression for Draft 2013 South Carolina Science Standards.pdf, **293.05 KB** (Last Modified on April 3, 2013)

South Carolina Science Education Leadership Association Updates, March 2013

by *SC SELA*

SC Standards and Performance Expectations for Science

 SCSELA science update mar 2013.pdf, **570.21 KB** (Last Modified on March 26, 2013)