

## Resources for Science & Engineering in “out of school” settings

### The CRS “For Educators” pages

- **Treasure Trove Websites** <http://www.crscience.org/educators/treasuretrove> Our list of some favorite websites in science education. Some of them are listed below
- **Science Teaching Literature** <http://www.crscience.org/educators/scienceliterature> Lists of great non-fiction, STEM related books to keep on hand in afterschool programs to tie in with school-day curriculum – organized by grade level and science strand.
- **Bay Area Scientists in Schools (BASIS) Lesson Plans** <http://www.crscience.org/educators/BASISlessons>. Lessons developed by our own scientist volunteers for Bay Area classrooms
- **www.Scienceandliteracy.wikispaces.com** – A blog/wiki from a teacher who uses some great books for elementary engineering challenges. Books include “Those Darn Squirrels” by Adam Rubin

### Professional Development/Online Media

- **PBS Learning Media** <http://www.pbslearningmedia.org/> (Formerly Teachers’ Domain) - Free, online professional development in content areas and teaching strategies. Videos and archived webinars let you learn when it is convenient for you.
- **National Science Teachers Association (NSTA)** <http://www.nsta.org/> - Many free resources and articles available on-line, including activity ideas. Annual membership provides access to an extensive library of activities, articles, professional development activities and excellent periodicals. Lots of info on Next Generation Science Standards (NGSS) and how they work with the Common Core Standards. <http://www.nsta.org/about/standardsupdate/>
- **Annenberg Learner** - <http://www.csss-science.org/teach.shtml> this page links to a host of free videos on science.
- **The California Academy of Science** <http://www.calacademy.org/teachers/> offers great professional development workshops. After taking the workshop you can borrow their science kits for free.
- **Lawrence Hall of Sciences’ AfterSchool KidzScience** - <http://www.lawrencehallofscience.org/kidsite/collections-2/afterschool-kidzscience/> has kits available for lessons and at the bottom of the page they have a series of videos on questioning strategies and other skills and “how to” for each kit.
- **HowtoSmile.org** -Free collection of tried and true Math and Science Activities.
- **Ten-Minute Field Trips** by H.R. Russell– This book is available from your favorite online book sellers. Great field trips to do right around the school.
- **CIESE: Real Time Data and Primary Source Projects** <http://www.ciese.org/currichome.html> The Center for Innovation in Engineering and Science Education sponsors and designs interdisciplinary projects that utilize real time data and collaborative projects using the Internet. Check out “The Wonderful World of Weather,” “Square of Life,” “Bucket Buddies,” and “Measuring the Circumference of the Earth” among projects designed for elementary students.

### Websites for Science & Engineering Activity ideas and Student Learning

- **Ology** - <http://www.amnh.org/explore/ology> - American Museum of Natural History’s science website for kids - hands-on activities, games, and scientist interviews.
- **TryScience.org** - <http://www.tryscience.org/> - This site has on-line activities and field trips on all areas of science. Available in nine different languages. . Also include a teacher’s page for lesson ideas for the classroom. <http://www.tryscience.org/teachers/teacher.html>
- **BBC Science Clips**- [http://www.bbc.co.uk/schools/scienceclips/index\\_flash.shtml](http://www.bbc.co.uk/schools/scienceclips/index_flash.shtml) A great array of on-line animated science activities for kids sorted by age and topic.
- **www.teachengineering.org** and **www.tryengineering.org** and **www.discovere.org** Three great sources for activities, plus video interviews with a wide variety of diverse engineering professionals

**CRS****COMMUNITY RESOURCES FOR SCIENCE**  
practical support for great science teaching1611 San Pablo Avenue, Suite 10 B  
Berkeley, CA 94702(510) 527-5212 | [www.crscience.org](http://www.crscience.org)

**Community Resources for Science offers free  
online resources to bring learning experiences to K-6 students!**

**[www.crscience.org](http://www.crscience.org)**

***Become a CRS member for these additional benefits:***

***Information you need, when you need it!***

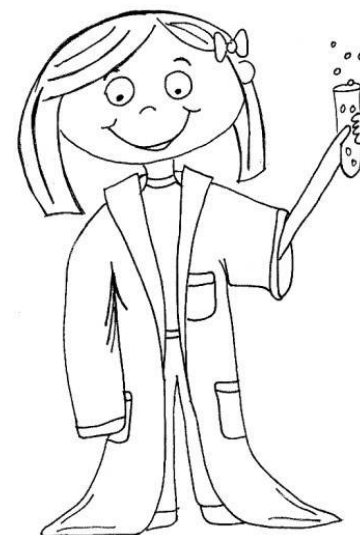
- **Monthly updates** (e-NewsBlasts) sent right to your inbox – new activities, websites, workshops, and more every month

***Personalized support – tell us what you need, and we'll help you find it!***

- Give us a call, email, or click online and let us know what you are looking for. An activity about pollination? Books that connect with specific grade level standards? Student-friendly websites for researching science topics?

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