

Afterschool Web Resources

- AAAS ScienceNetLinks: <http://sciencenetlinks.com/>
 - K-12 **science** education resources including teaching tools, interactives, podcasts, and hands-on activities
 - Afterschool resources offer informal, often hands-on, science activities. Each one includes a facilitator page, as well as online and printable pages for kids.
- <http://www.abcya.com>
 - Free educational computer games and activities for elementary students K-5.
 - Grade level lessons incorporate areas such as math and language arts while introducing basic computer skills.
- Afterschool Training Plan (Y4Y website): <http://www.y4y.ed.gov/tools/content-after-school-training-plan/>
 - Afterschool training plan for staff
- Arts Edge (The Kennedy Center): <http://artsedge.kennedy-center.org/educators.aspx>
 - Lessons, activities & projects for teaching in, through the **arts**
 - How-to's and guide's
- Boston Children's Museum: Kids Afterschool: www.beyondthechalkboard.com
 - The activities on this site cover a wide range of subjects including **science, literacy, culture, art, health, math, and engineering** in ways that support what's learned during the school day.
- Bugscope: <http://bugscope.beckman.uiuc.edu/>
 - Provides free interactive access to a **scanning electron microscope (SEM)** so that students anywhere in the world can explore the microscopic world of insects.
- CODE.org: www.code.org
 - Learn basic concepts of computer science and **coding**
 - Learn how to build your own app, game, etc.
 - Student and educator resources and tutorials
- EconEdLink: <http://www.econedlink.org/>
 - online **economic & personal finance** lessons & resources for educators, students and afterschool providers
- EDSitement!: <http://edsitement.neh.gov/lesson-plans>
 - Helpful for humanities lesson plans – **history, literature, culture, arts, etc.**
 - Free lesson plans – engaging and fun
 - Specific “after school” project link also: <http://edsitement.neh.gov/after-school>
- Edutopia: <http://www.edutopia.org/stw-social-emotional-learning-after-school-resources-downloads>
 - **Social Emotional** tips, tricks, and some small activities
- Engineering is Elementary: <http://www.eie.org/outofschool>
 - Afterschool **engineering** research-based curriculum that includes hands-on activities for grades 3-8.
 - Includes educator guide
- Girls Develop It: <http://girldevelopit.com/>
 - Course material and curriculum for **coding** under Resources tab
- Khan Academy: www.khanacademy.org
 - Learn for free about **math, art, computer programming, economics, physics, chemistry, biology, medicine, finance, history,** and more.

Afterschool Web Resources

- Mixing in Math: <http://mixinginmath.terc.edu/materials/actlist.cfm>
 - Offers over 200 English and Spanish resources that blend **math** with fitness, nature, cooking, and daily routines like cleaning up. MiM resources include games, projects, movement activities, and museum-type displays.
- Missouri Connections (**College & Career Ready**): www.missouriconnections.com
 - Comprehensive, online, career development & planning program
- Missouri Department of Conservation: <http://mdc.mo.gov/>
 - Discover Nature Schools Instructional units, teacher guides
 - Teacher Workshops
 - Information for MO National Archery in Schools Program (MoNASP)
 - Field Guide: Packed with biological details, images, videos, audio clips, and fun facts, our online field guide helps you identify many of Missouri's plants, animals, and mushrooms.
- Missouri Department of Health: <http://health.mo.gov/living/families/oralhealth/oralhealtheducation.php>
 - K-12 Oral Health Education
- NASA Goddard Space Flight Center: <https://heasarc.gsfc.nasa.gov/docs/outreach.html>
 - Education materials for teachers include activities and lesson plans which use concepts and data from high energy astrophysics in interdisciplinary lessons appropriate for **math and science** classes.
 - References many other related web resources on topics such as **astronomy**.
 - Borrow telescopes (they will mail them to you free of charge).
- NASA Space Place: www.spaceplace.nasa.gov
 - Learn **space and earth science** through interactive games, hands-on activities, fun articles, and short videos. Material in both English and Spanish and numerous resources for parents and teachers
 - Upper-elementary-aged children
- National Geographic: <http://www.nationalgeographic.com/xpeditions/lessons/matrix.html>
 - Tied to national **geography** standards
- National Park Service: <http://www.nps.gov/learn/>
 - Curriculum, fun and games, a guide to park Junior Ranger programs and a host of other fun and educational media created.
 - **Nature, Science, History & Culture**
- NCTM Illuminations: Resources for Teaching **Math**: <http://illuminations.nctm.org/>
 - Library of math activities & lessons
 - Learn math standards
 - Links to additional resources
- PBS Kids: <http://pbskids.org/>
 - Parent and Educator online workshop to build your own confidence pertaining to teaching and working with students with **engineering** concepts.
 - **Engineering** resources from NASA and the Design Squad (also sponsors of above online workshop)
 - Educational games, videos
- ReadWriteThink (NCTE): <http://www.readwritethink.org/parent-afterschool-resources/>
 - Good **reading** and **writing** activities & lesson plans
 - Will provide additional lessons and resources to help build off of an activity if you find one particularly helpful or your students really get interested! Great resource!

Afterschool Web Resources

- SciJinks: www.scijinks.gov
 - SciJinks is all about weather! Short for Science Hijinks. A joint NOAA and NASA educational website that puts fun and adventure into learning about **weather, satellite meteorology, and Earth science**.
 - Geared toward middle- and high-school aged kids and their educators.
- SEDL: <http://www.sedl.org/afterschool/lessonplans/index.cgi>
 - Various topics
- SEDL Afterschool Training Toolkit (Y4Y website): <http://www.y4y.ed.gov/toolkits/afterschool/>
- Smithsonian’s History Explorer: <http://historyexplorer.si.edu/home/>
 - Hundreds of free, innovative online resources for teaching and learning **American history**
 - Designed for use by K-12 teachers and students, afterschool program providers, families, and individuals interested in lifelong learning

- STEMfinity: www.stemfinity.com
 - One-stop shop for **STEM** hands-on educational toolkits from multiple companies (For purchase)
- STEM Training Plan (Y4Y website): <http://www.y4y.ed.gov/tools/create-a-training-plan-for-staff/>
 - **STEM** training plan for staff
- Thinkfinity: <http://thinkfinity.org/afterschool>
 - Online professional learning community with access to many of the websites listed below.
 - Online tools/resources for educators
- You for Youth (Y4Y): <http://y4y.ed.gov>
 - Customized for 21st CCLC Afterschool Programs
 - Online professional development & staff trainings, customizable tools, webinars
 - Focus on STEM, Aligning with the School Day, Family Involvement, Strengthening Partnerships, Project-Based Learning and Civic Engagement
- Wonderopolis: <http://wonderopolis.org/>
 - Neat site that may be good for random “I wonder why...” and help you think outside the box
 - **Topics broad** from **science** to **math** to **history** and **math**
 - Inexpensive little activities digging into everyday questions students (and adults!) may wonder
 - Have to dig a little to find resources if you want to expand on something