Project Name	Description	Subject Matter	Audience	Website
Advanced Placement Digital Library for Biology, Physics and Chemistry	Advanced Placement* (AP) teachers and students will find resources linked to the AP content outlines, published by the College Board, in biology, physics, and chemistry. APDL only hosts those resources that are reviewed and approved by the APDL review panel. Resources are selected based on their educational merit in an AP or Pre-AP classroom. APDL welcomes your input to make this site more usable for AP teachers and students.	AP Courses	MS-HS	http://apdl.rice.edu/DesktopDefault.aspx
Analytical Sciences Digital Library	The ASDL is an electronic library that collects, catalogs and links web-based information or discovery material (URLs) pertinent to innovations in curricular development and supporting resources in the analytical sciences.	Analytical sciences	K-12	http://www.asdlib.org/
Atmospheric Radiation Measurement Program (U.S. Dept of Energy)	Provides educational resources that develop basic science awareness and increase critical thinking skills focusing on environmental science and climate change for K-12 students. In addition, the program supports relationship building between teachers, students, scientists, and communities.			http://www.arm.gov/about/- click on Education Tab Homeroom http://education.arm.gov/ Lesson Plans http://education.arm.gov/teacherslounge/lessons/alphalessons.stm Activity book, includes crosswords, word searches, etc. http://education.arm.gov/studyhall/fun.stm
Biological Sciences Pathway (BEN)	The BEN Portal, for biloogical science education, provides access to education resources from BEN Collaborators and is managed by the American Association for the Advancement of Science (AAAS). Over **8,237 reviewed resources** covering 77 biological sciences topics are available. BEN resources can help you engage student interest, shorten lesson preparation time, provide concept updates, and develop curricula that are in line with national standards for content, use of animals and humans, and student safety.	Biology	HS	http://www.biosciednet.org/portal/
Brain Pop	Founded in 1999, BrainPOP creates animated, curriculum-based content that supports educators and engages students.	All Subjects	All grades	http://www.brainpop.com/

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BRIDGE, the Ocean Sciences Education Teacher Resource Center	Bridge, the Ocean Sciences Education Teacher Resource Center, provides on-line marine education resources on global, national, and regional marine science topics.	ocean	K-12 teachers	http://www.vims.edu/bridge/index.html
ChemEdDLib: Chemistry	Digital content for chemistry	Chemistry	High School	http://jchemed.chem.wisc.edu/ http://www.chemeddl.org/
ComPADRE	Digital resources for Physics & Astronomy Education	Physics Astronomy	k12	http://compadre.org
Computational Science Pathway (CS	Shodor provides resources for computational science, such as interactive activities and instructional materials, workshops, and online courses.	Computational science	preK-12	http://www.shodor.org/refdesk/
Convergence!	Online magazine provides resources that highlight how math and history converge.	Math		http://mathdl.maa.org/convergence/1/
Culturally Situated Design Tools	This website provides tools for teaching math through culture.		K-12 teachers	http://www.rpi.edu/~eglash/csdt.html
Cybertown Campus	BIOLOGY AND LIFE SCIENCE SCHOOL	Science Math	K-12	http://www.cybertown.com/campbio.html
Digital Library for Earth System Education	A geoscience community resource that supports teaching and learning about the Earth system	Science	K-12 teachers	http://www.dlese.org/
Digital Library for Engineering Educ	a digital library with links to online learning materials in engineering and related areas of science and math	engineering	K-12 teachers	http://www.needs.org/needs/
Earth Exploration ToolKit	The Earth Exploration Toolbook is a collection of computer-based Earth science activities. Each activity, or chapter, introduces one or more data sets and an analysis tool that enables users to explore some aspect of the Earth system.			http://serc.carleton.edu/eet/index.html
Engineering Pathway	The TeachEngineering digital library provides teacher-tested, standards-based engineering content for K-12 teachers to use in science and math classrooms. Engineering lessons connect real-world experiences with curricular content already taught in K-12 classrooms. Mapped to educational content standards, TeachEngineering's comprehensive curricula are hands-on, inexpensive, and relevant to children's daily lives.	Engineering	K-12	http://www.engineeringpathway.com/ep/
eSkeletons Project	The e-Skeletons Project website enables you to view the bones of a human, gorilla, and baboon and gather information about them from the osteology database. The site provides an interactive environment in which to examine and learn about skeletal anatomy. This includes: high-quality images of bones, labels of all muscles, articulations, and morphological features, high-resolution 3-D renderings of the skeletal elements in both animation (Quicktime) and interactive virtual reality (VRML) format.	Biology, Anatomy	K-12 teachers	http://www.eskeletons.org/

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Expert Voices	Expert Voices weblog technology to support collaborative STEM conversations among content experts, scientists, teachers, and students from key NSDL audience groups: K12 teachers, university faculty, librarians, and library builders. Moderated conversations are designed to tie NSDL resources to science news and add context for resources that enhance discovery, selection and use. See website for topics of interest.	Science	K-12 teachers	http://expertvoices.nsdl.org/
Exploratorium Online: Exhibit-Based Science Learning and Teaching Digital Library		Science	K-12	http://www.exploratorium.edu
Funworks Career Network:	FunWorks' role as a career exploration digital library for middle school aged youth, its user-centered design approach that involved working with over 300 young people across the country, ways in which the collection integrates content from the NSDL, and its plans for future expansion. For more information about the FunWorks			http://thefunworks.edc.org/SPT--homeflash.php
Math Forum @ Drexel	The Math Forum at Drexel University is the comprehensive resource for math education on the Internet. Some features include a K-12 math expert service, an extensive database of math sites, and online resources for teaching and learning math. Math Forum's Teacher 2 Teacher pages allow educators help each other with issues of math instruction, including ideas for using digital resources in the classroom.	Math	K-12	http://mathforum.org/
Mathematical Sciences Pathway	Math Gateway is an online resource published by the Mathematical Association of America. The site provides online resources for both teachers and students of mathematics that include: Convergence, a magazine that teaches mathematics using its history; the Journal of Online Mathematics and its Applications (JOMA), a scholarly journal, plus; free classroom-tested and peer reviewed digital classroom resources.	Math		http://www.mathdl.org/mathDL/4/
Middle School Portal	The NSDL Middle School Portal provides access to selected online resources for instruction and professional development from the National Science Digital Library. Subject pathways in mathematics, science, and technology present topic lists that take an in-depth look at teachable concepts in science, math, or technology. Features include lively text and graphics along with background for teachers, interactive online activities, data analyses, and links to related topics.	Science Math Technology	Middle School	http://msteacher.org/detault.aspx

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NASA - Eclipse Home Page	NASA's Eclipse Home Page is the most extensive, with downloads that include diagrams for each time zone, a full discussion of conditions and special circumstances for this event, and a good set of links.			http://sunearth.gsfc.nasa.gov/eclipse/eclipse.html
NASA Site for Educators	NASA's Site for Educators helps teachers locate resources that can be used in the classroom, including video clips, posters, lesson plans, podcasts, etc.	Science Math	K-12 teachers	http://www.nasa.gov/audience/foreducators/index.html
National Library of Virtual Manipulatives for Interactive Mathematics	The National Library of Virtual Manipulatives is a library of uniquely interactive, web-based virtual manipulatives or concept tutorials, mostly in the form of Java applets, for mathematics instruction (K-12 emphasis).	Math		http://nlvm.usu.edu/en/nav/index.html
SIMPLE Science				http://www.simplescience.org/
Teach Engineering	The *TeachEngineering* digital library provides teacher-tested, standards-based engineering content for K-12 teachers engineering content for K12 teachers to use in science and math classrooms. Engineering lessons connect real-world experiences with curricular content already taught in K-12 classrooms. Mapped to educational content standards, *TeachEngineering*'s comprehensive curricula are hands-on, inexpensive, and relevant to children's daily lives.			http://www.teachengineering.com/index.php
Teachers Domain	Teachers Domain is a multimedia library for K-12 science educators, developed by WGBH through funding from the National Science Foundation as part of its National Science Digital Library initiative.	Science, Technology, Engineering, Mathematics	K-12 teachers	http://www.teachersdomain.org/
Teachers' Domain: Life, Earth, Spac	Teachers' Domain is a multimedia digital library for the classroom that provides learning experiences in ways no textbook can. This ever-expanding library currently includes collections on Science (Life Science, Physical Science, Engineering) and Social Studies (The Civil Rights Movement, Brown v. Board of Education). Registration is required.	Engineering Earth/Space Life science Physical Science	K-12	www.teachersdomain.org
The Chem Collective	The Chemistry Collective is a collection of virtual labs, scenario-based learning activities, and concepts tests which can be incorporated into a variety of teaching approaches as pre-labs, alternatives to textbook homework, and in-class activities for individuals or teams.	Chemistry	High School	http://www.chemcollective.org

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The Math Gateway	Gateway to Math Resources, managed by the Mathematical Association of America.	Math	K-12	http://mathgateway.maa.org/
The Mathematical Sciences Digital Library	MathDL is an online resource published by the Mathematical Association of America. The site provides online resources for both teachers and students of mathematics.	Math		http://mathdl.maa.org/mathDL/
The Physics Front	**The Physics Front provides high quality resources for the teaching of physics and physical sciences courses.**	Physics	K-8 physical science High School Physics	http://www.thephysicsfront.org/
Tree of Life Project: A Digital Library of Biodiversity Information	The Tree of Life Web Project (ToL) is a collaborative effort of biologists from around the world. On more than 4000 World Wide Web pages, the project provides information about the diversity of organisms on Earth, their evolutionary history (phylogeny), and characteristics.	Life on earth	K-12 teachers	http://tolweb.org/tree/
Using Data in the Classroom	This portal and collection provide resources to support faculty and teachers in using data to engage students in inquiry based activities in their courses.	GEOSCIENCES	K-12 teachers	http://serc.carleton.edu/usingdata/index.html
Wolram MathWorld	Math resources : Algebra, Applied Math, Calculus and Analysis, Discret Math, Geometry, Probability and Statistics, Recreational Mathematics and Topology		K-12 teachers	http://mathworld.wolfram.com/