Websites

1st Grade - Earth's Place in the Universe

Challenger Center for Space Science Education
https://www.challenger.org/stem-resources/
K;1st;2nd;3rd;4th;5th;6th;7th;8th;9th;10th;11th;12th
Website Type: Student Online Activities;Teacher Activities
Using space exploration as a theme, the Challenger Center web site offers a large searchable database of hands-on lessons related to the solar system and earth sciences, as well as podcasts, webcasts and interdisciplinary design challenges to do in your classroom.

CuriosiKid - site is in Spanish
http://www.curiosikid.com/
1st;2nd;3rd;4th;5th;6th;7th;8th
Website Type: Student Online Activities;Teacher Activities
This site from El Museo de Los Ninos in Caracas, Venezuela has a bunch of on-line games and simple experiments for kids on most of the science topics. Site is all in Spanish.

EL SISTEMA SOLAR
http://www.educar.org/SistemaSolar/
K;1st;2nd;3rd;4th;5th
Website Type: Student Background;Student Online Activities;Teacher Background
This site is all in spanish with photos, diagrams and basic information about the solar system.

Enchanted Learning "Label Me" Printouts
http://www.enchantedlearning.com/label/
K;1st;2nd;3rd;4th;5th;6th;7th;8th
Website Type: Student Background;Teacher Activities
This Web site contains elementary-level diagrams on many subjects which may be printed out and labeled for practice. The diagrams come with a word bank, complete with definitions printed on the same page. Diagrams are available, including the human eye, ear, brain, skeleton, teeth, plant parts, animals and insects, geology and weather. Some diagrams also available in French, German, Italian, or Spanish.]

HowToSmile.org
http://howtosmile.org/
K;1st;2nd;3rd;4th;5th;6th;7th;8th;9th;10th;11th;12th
Website Type: Teacher Activities;Teacher Background;Teacher Videos
Are you looking for new ways to teach kids about math and science? Do you want activities that meet you where you live, whether your “classroom” is an active volcano, the shark tank at the local aquarium, or your own kitchen table? You’ve come to the right place. SMILE is collecting the best educational materials on the web and creating learning activities, tools, and services – all designed especially for those who teach school-aged kids in non-classroom settings. We are a group of science museums dedicated to bringing science, technology, engineering, and math (STEM) out of the academic cloister and into the wider world. Our organizations are resource hubs for educational programs that involve people of all ages and backgrounds. Together we’re gathering the best STEM education materials from the web, and encouraging educators to both use and contribute to the growing collection.
NASA Spacelink
https://www.nasa.gov/audience/foreducators/index.html
K;1st;2nd;3rd;4th;5th;6th;7th;8th;9th;10th;11th;12th
**Website Type: Student Online Activities;Teacher Activities;Teacher Background**
An Aeronautic and Space Resource for Education including The Library, which is your guide to NASA's Internet resources with hundreds of subject oriented pages and the capability to search all of NASA; Educator Focus; and Cool Links. Many lithograph images online of the moon, planets, satellites, and space exploration!

NASA Wavelength
http://nasawavelength.org/
K;1st;2nd;3rd;4th;5th;6th;7th;8th;9th;10th;11th;12th
**Website Type: Student Background;Teacher Activities;Teacher Background**
NASA Wavelength is your pathway into a digital collection of Earth and space science resources for educators of all levels – from elementary to college, to out-of-school programs. These resources, developed through funding of the NASA Science Mission Directorate (SMD), have undergone a peer-review process through which educators and scientists ensure the content is accurate and useful in an educational setting. Use NASA Wavelength to quickly and easily locate resources, connect them to other websites using atom feeds, and even share the resources you discover with others through social media and email.

National Science Digital Library
http://nsdl.org/
K;1st;2nd;3rd;4th;5th;6th;7th;8th;9th;10th;11th;12th
**Website Type: Student Online Activities;Teacher Activities;Teacher Background**
This website is a huge resource for finding activity ideas, videos, photos and news about science and technology. They have a section specifically devoted to K-12 teachers.

Old Farmer's Almanac for Kids
http://www.almanac4kids.com/weather/index.php
K;1st;2nd;3rd;4th;PK
**Website Type: Student Background;Student Online Activities;Teacher Activities;Teacher Background;Teacher Vi**
This website is designed for elementary school students to look at weather forecasts, astronomy and backyard animals. You can easily switch between locations to look at other areas of the country.

Paper Plate Education "Serving the Universe on a Paper Plate"
http://analyzer.depaul.edu/paperplate/activities.htm
K;1st;2nd;3rd;4th;5th;6th;7th;8th;9th;10th;11th;12th
**Website Type: Teacher Activities;Teacher Background**
This site has a lot of different activities about constellations, the solar system, moon phases, navigation using the stars and more all using paper plates. It has sections on how good or bad the pictures of moon cycles are in different children's literature

Paper Plate Moon Phases
http://www.unawe.org/activity/eu-unawe1310/
K;1st;2nd;3rd;4th;5th
**Website Type: Teacher Activities**
In this activity, students colour and cut cheap paper plates to form a handy reminder of the phases of the moon.

Paso Partners Bilingual Instruction
http://www.sedl.org/scimath/pasopartners/
K;1st;2nd;3rd;4th;5th
**Website Type: Teacher Activities;Teacher Background**

7/2/2019 Websites are an excellent place for finding activity ideas.
The resource is designed to help elementary school teachers organize their classrooms and instructional activities in order to increase achievement of Hispanic primary-grade children whose first language is not English. The guides offer a curriculum plan, instructional strategies and activities, suggested teacher and student materials, and assessment procedures. Bilingual lessons on Five Senses, Spiders, Dinosaurs, Plants & Seeds, Human Body, Health, Oceans, Weather, Matter, Sun & Stars, Sound, Simple Machines.

**Practical Uses of Math and Science (PUMAS)**


K;1st;2nd;3rd;4th;5th;6th;7th;8th;9th;10th;11th;12th

**Website Type: Teacher Activities; Teacher Background**

The PUMAS examples are aimed primarily at helping pre-college teachers enrich their presentation of topics in math and science. You may find a number of examples that relate to your area of interest, perhaps written in different styles, and possibly taking different approaches to the material. There may also be comments/lesson plans filed with some of the examples, written by previous users. Use these examples as a resource -- Select, adapt, recontextualize, and present the material to your students in a way that you judge will best meet your students' needs, abilities, and interests.

**Primer on Solar Eclipses**


K;1st;2nd;3rd;4th;5th;6th;7th;8th;9th;10th;11th;12th

**Website Type: Student Background; Teacher Background**

The National Science Teachers Association (NSTA) is making available a popular-level introduction to help explain the eclipse, and how to view it, to students and the public. The free 8-page booklet is available in PDF format.

**Scientists @ the Smithsonian**

http://www.smithsonianeducation.org/scientist/

K;1st;2nd;3rd;4th;5th;6th;7th;8th;9th;10th;11th;12th

**Website Type: Student Background; Teacher Background**

Scientists aren't just nerds who wear lab coats. All kinds of people become scientists. And scientists do all kinds of things. Watch and read about these scientists at the Smithsonian. What kind of scientist would you like to be?

**Solarviews.com**

http://www.solarviews.com

K;1st;2nd;3rd;4th;5th;6th;7th;8th;9th;10th;11th;12th

**Website Type: Student Background; Teacher Background**

This website is available in English, Spanish, French, Portuguese and German. It offers photos and content for the solar system in all these languages.

**Spark - Weather and Atmospheric Science Classroom Activities**

https://spark.ucar.edu/activities

K;1st;2nd;3rd;4th;5th;6th;7th;8th;9th;10th;11th;12th

**Website Type: Student Background; Student Online Activities; Teacher Activities; Teacher Background; Worksheets**

Website includes K-12 classroom activities for the following topics: Weather, Climate Change, Sun-Earth Connections, and Atmosphere and Chemistry.

Spark engages people in the wonder and relevance of science. We focus on scientific literacy, workforce development, and community engagement. Our overarching goal of this plan is to make an impact on public understanding of atmospheric science concepts and process. Atmospheric and related sciences includes not only sciences associated with advancing understanding of the Earth-Sun system, but also the computational and engineering sciences and technology that afford those advances.
Sundials on the Internet
http://www.sundials.co.uk/
K;1st;2nd;3rd;4th;5th;6th;7th;8th;9th;10th;11th;12th

Website Type: Teacher Background
Sundials on the Internet® has information about all aspects of sundials, including projects you can do, books you can get, national societies you can join, pictures you can see, sundials you can commission or buy and sundial trails all over the world + our competition for new ones!

The Gateway to Educational Materials
http://www.thegateway.org/
K;1st;2nd;3rd;4th;5th;6th;7th;8th;9th;10th;11th;12th

Website Type: Teacher Activities;Teacher Background
GEM is sponsored by the U.S. Department of Education and is a special project of the ERIC Clearinghouse on Information & Technology. Teachers, parents, administrators can search or browse The Gateway and find thousands of high quality educational materials, including lesson plans, activities, and projects from over 200 GEM Consortium member sites: Has activities on habitat as well as many other subjects.

University of California Berkeley Library Digital Image Finder
http://cluster4.lib.berkeley.edu:8080/ERF/servlet/ERFmain?cmd=searchResType&resTypeId=14
K;1st;2nd;3rd;4th;5th;6th;7th;8th;9th;10th;11th;12th

Website Type: Teacher Activities;Teacher Background
Use this site to find images from a myriad of topics.

WatchKnowLearn.org
http://www.watchknowlearn.org/
K;1st;2nd;3rd;4th;5th;6th;7th;8th;9th;10th;11th;12th

Website Type: Student Background;Teacher Background;Student Videos;Teacher Videos
This website has free educational videos on all topics (including science) for all age levels. There is specifically a section for younger learners.

Worldwide Telescope
http://www.worldwidetelescope.org/Home.aspx
K;1st;2nd;3rd;4th;5th;6th;7th;8th;9th;10th;11th;12th

Website Type: Student Online Activities
This free service from Microsoft lets students and lifelong learners tour the night sky using high-resolution images from the world’s best land- and space-based telescopes.