WEBSITES FOR TEACHERS AND STUDENTS


Bilingual Women of NASA
http://quest.arc.nasa.gov/women/espanol/intro.html
In order to meet the growing number of Spanish-speaking students in our schools today, the Women of NASA project has a bilingual component. Select Women of NASA profiles will be available in English and Spanish. Bilingual Webchats will accommodate both English- and Spanish-speaking participants. If a question is asked in English, the response will be in English. If a question is asked in Spanish, the response will be in Spanish. Participants are encouraged to research the featured women by reading their profiles either in English or Spanish to form appropriate questions. Chat directions in Espanol
Subjects: astronomy, science careers, space exploration. Bilingual: Spanish
☑️ Student Background  ☐ Online Activities  ☑️ Teacher Background  ☐ Printable Activities
Bilingual: Spanish  Grades 3 - 12

California Foundation for Agriculture in the Classroom
www.cfaitc.org
TONS of resource that connect agriculture to your science curriculum. Simple machines, plants, life cycles, meeting needs, interdisciplinary topics and more. Lessons are split into K-3, 4-6, 7-8, and 9-12. Plus a Teacher Resource Guide. Everything is free to download.
Subjects: agriculture, simple machines, plants. Bilingual: Spanish
☐ Student Background  ☐ Online Activities  ☑️ Teacher Background  ☑️ Printable Activities
Bilingual: Spanish  Grades 0 - 12

Enchanted Learning "Label Me" Printouts
http://www.enchantedlearning.com/label/
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.
Subjects: human body, geology, animals with Great for ELL tie-ins. Bilingual: Several languages
☑️ Student Background  ☐ Online Activities  ☑️ Teacher Background  ☑️ Printable Activities
Bilingual: Several languages  Grades 0 - 8

Exploring the Secret Life of Trees
http://www.urbanext.uiuc.edu/trees2/index.html
Has audio in both English and Spanish that allows the site to be used by younger students. Exploring the Secret Life of Trees is designed to help 3rd – 5th grade students gain an appreciation of trees, observe trees in their everyday lives, and develop an interest in discovering more about trees. It is intended for adults to work with children to explore the secret life of trees. The teacher guide section includes some activity ideas for exploring more about trees with your students
Subjects: plants, meeting needs, plant behavior. Bilingual: Spanish
☑️ Student Background  ☑️ Online Activities  ☑️ Teacher Background  ☐ Printable Activities
Bilingual: Spanish  Grades 1 - 5

If you have an email address, we can send you these links so you can access these sites more easily.
Galaxy
www.galaxy.org
The Galaxy Classroom is: Dynamic Hands-on Science and Great Adventures in Reading and Writing for Elementary Students and Teachers. The GALAXY Classroom offers six year-long curricula serving students in Grades K-5 (long-term experience!). GALAXY Classroom schools are linked through satellite, fax, and computer technologies. Students and teachers can interact via print, fax, e-mail or satellite with other schools as well as the hosts of specific video programs. Many of the GALAXY Classroom curricula are in both English and Spanish and many videos are also available as open-captioned.

Subjects: astronomy. Bilingual: Spanish
☑ Student Background ☑ Online Activities ☐ Teacher Background ☐ Printable Activities

Bilingual: Spanish Grades 1 - 5

Genetic Science Learning Center
http://gslc.genetics.utah.edu
Genetics Curricula on the web. Sections include The Basics of DNA, hands-on activities for home or classroom, and links to other teacher resources like workshops. Links current information to the classroom. Parents refer to "Try This at Home" for great homework/teaching ideas.

Subjects: biology, reproduction. Bilingual: Spanish
☑ Student Background ☑ Online Activities ☑ Teacher Background ☑ Printable Activities

Bilingual: Spanish Grades 7 - 12

GLOBE
www.globe.gov
GLOBE highly encourages students to utilize GLOBE data to help answer questions about how the environment around them works. Through investigation projects students do science, learning the importance of creating hypotheses, analyzing data, drawing conclusions and reporting their results. GLOBE Student Investigations are reports of scientific projects conducted by GLOBE students that include the use of GLOBE data or protocols. By publishing your investigation report on the GLOBE website you are sharing your valuable findings with the rest of the world and completing the science process. Teachers and other educators who wish to lead students in GLOBE need to attend special workshops in order to fully participate in the program.

Subjects: sand & soil, weather observation, ecosystem. Bilingual: Several languages
☑ Student Background ☑ Online Activities ☑ Teacher Background ☐ Printable Activities

Bilingual: Several languages Grades 0 - 12

Knowing Your World
http://www.urbanext.uiuc.edu/world/
Lessons and activities designed for 4th and 5th graders to learn about acid rain, global warming, water resources and other environmental topics.

Subjects: water distribution, resource use & conservation, env impact. Bilingual: Spanish
☑ Student Background ☑ Online Activities ☑ Teacher Background ☑ Printable Activities

Bilingual: Spanish Grades 4 - 5

Let's Talk About Insects
http://www.urbanext.uiuc.edu/insects/01.html
Has audio in both English and Spanish that allows the site to be used by younger students. Let's Talk About Insects is designed to help students ages 9-11 years of age gain an appreciation of insects; learn how insects grow and develop (metamorphosis), and learn the importance of insects in our environment. The Teacher guide section of the website has good ideas about activities with insects for the classroom

Subjects: insects & spiders, adaptation/diversity, animal behavior. Bilingual: Spanish
☑ Student Background ☑ Online Activities ☑ Teacher Background ☑ Printable Activities

Bilingual: Spanish Grades 1 - 6

If you have an email address, we can send you these links so you can access these sites more easily.
My First Garden
http://www.urbanext.uiuc.edu/firstgarden/index.html
Has audio in both English and Spanish that allows the site to be used by younger students. Get ready to make learning about gardens, flowers, vegetables and the principles of horticulture a really fun experience for yourself and for the children you teach. This website is meant for 4th grade students to learn about the beauty of gardens, and the care involved in planning, nurturing and enjoying the benefits of gardening in a variety of spaces and places. The Teacher guide section of the website has good ideas about activities with insects for the classroom.
Subjects: gardening, plant behavior, meeting needs. Bilingual: Spanish
☐ Student Background ☐ Online Activities ☐ Teacher Background ☐ Printable Activities
Bilingual: Spanish Grades 4 - 6

On The Line
http://www.oxfam.org.uk/coolplanet/ontheline/index.html
On the Line was a millennium project that explored and celebrated the lives of people who live in the eight countries lying along the zero degree meridian line: Togo, Ghana, Burkina Faso, Mali, Algeria, Spain, France, and the United Kingdom. The exploration section offers virtual journeys through meridian line countries, as well as environmental features. In the schools area, you will find exciting teaching activities and resources.
Subjects: with cultural diversity tie-ins. Bilingual: Several languages
☐ Student Background ☐ Online Activities ☑ Teacher Background ☑ Printable Activities
Bilingual: Several languages Grades 2 - 12

Optics for Kids
http://www.opticalres.com/kidoptx_f.html
Kids will enjoy this quick look at some optical basics, especially if coupled with some hands-on experiments. Also includes talk about science and engineering as careers. Areas include: light basics, controlling light, lenses, complex lenses, magnifying glass, lasers, and careers. English/Japanese website.
Subjects: light. Bilingual: Several languages
☑ Student Background ☐ Online Activities ☑ Teacher Background ☐ Printable Activities
Bilingual: Several languages Grades 6 - 8

Space Place
http://spaceplace.jpl.nasa.gov/
The Web site and its new Spanish companion at http://spaceplace.jpl.nasa.gov/espanol serve children 8 to 13 years of age. The site contains approximately 40 activities, including games and "amazing facts" about space, Earth and NASA. Areas easy to navigate in, include animations and great illustrations. Kids can Make Spacey Things, Do Spacey Things, see Space Science in Action, read Dr. Marc's Amazing Facts, and share with friends.
Subjects: planets, solar system, astronomy. Bilingual: Spanish
☑ Student Background ☑ Online Activities ☐ Teacher Background ☑ Printable Activities
Bilingual: Spanish Grades 2 - 8

StarDate Online
http://stardate.org/
Teacher lessons and activities are available online, as well as a solar system and constellation guide and image gallery. The daily two minute radio script is available in Spanish and English. Information is available on a wide range of astronomy related topics. Weekly night sky updates, sky maps and information on special celestial events is updated regularly. For spanish- click bottom right corner.
Subjects: astronomy, planets, solar system. Bilingual: Spanish
☐ Student Background ☐ Online Activities ☑ Teacher Background ☑ Printable Activities
Bilingual: Spanish Grades 2 - 8

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Sunrise Sunset
http://www.laep.org/target/SMART/sunrise/sunhome.html
Sunrise Sunset interdisciplinary lessons have students pose questions and conduct real-world scientific investigations around the central topic of the sun. Thus, students construct their own meaning of time, seasons, and the sun's relationship to the earth. Includes multicultural literature, spanish language bibliography on the Sun, and astronomy lesson plans.
Subjects: solar system, astronomy, planets. Bilingual: Spanish
☑ Student Background ☑ Online Activities ☑ Teacher Background ☑ Printable Activities
Bilingual: Spanish Grades 0 - 12

The Adventures of Herman
http://www.urbanext.uiuc.edu/worms/index.html
Has audio in both English and Spanish that allows the site to be used by younger students. Squirmin' Herman the Worm teaches students all about worms and how to make their own worm bin in this new interactive curriculm. The Teacher guide section of the website has good ideas about activities with insects for the classroom
Subjects: animals, animal behavior, internal processes-animal. Bilingual: Spanish
☑ Student Background ☑ Online Activities ☑ Teacher Background ☑ Printable Activities
Bilingual: Spanish Grades 2 - 8

The Great Plant Escape
http://www.urbanext.uiuc.edu/gpe/
Activities are set up like mystery cases that fourth and fifth grade sleuths uncover. and teachers in all growing classrooms, can uncover many of the mysteries of plants and gardening through this interactive web site. It features interdisciplinary activities, project suggestions, and engaging background information.
Subjects: plant behavior, internal processes-plant, sand & soil with music, art tie-ins. Bilingual: Spanish
☑ Student Background ☑ Online Activities ☐ Teacher Background ☐ Printable Activities
Bilingual: Spanish Grades 3 - 5

The K-8 Aeronautics Internet Textbook
http://wings.avkids.com
TONS of lesson plans on topics like bats, birds, insects, force/motion, matter, weather, atmosphere, and aerodynamics. You select the reading level- beginner, intermediate, advanced, in english or spanish. Information on the history of flight, aeronautics sign language, and careers.
Subjects: weather observation, force/motion, birds with history tie-ins. Bilingual: Spanish
☑ Student Background ☑ Online Activities ☑ Teacher Background ☑ Printable Activities
Bilingual: Spanish Grades 0 - 8

Trees are Terrific! Travels with Pierre
http://www.urbanext.uiuc.edu/trees1/index2.html
Has audio in both English and Spanish that allows the site to be used by younger students. Trees Are Terrific...Travels with Pierre, is designed to help young children (5–8 years of age) gain an appreciation of trees, observe trees in their every day lives and develop an interest in learning more about trees. It is intended for adults to work with children to explore the wonders of trees. The Teacher guide section of the website has good ideas about activities with insects for the classroom
Subjects: plants, meeting needs, plant behavior. Bilingual: Spanish
☑ Student Background ☑ Online Activities ☑ Teacher Background ☑ Printable Activities
Bilingual: Spanish Grades 0 - 3

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Underground Adventure
http://www.fmnh.org/ua/

The world of soil is a rich and tiny habitat for amazing creatures. Take a virtual tour of the exhibit, and see what life would be like if you were a half-inch tall. This program was developed as a fifth-grade environmental science curriculum. However, the activities are interdisciplinary and can be modified for other grade levels.
Subjects: sand & soil.  Bilingual: Spanish
☑ Student Background  ☑ Online Activities  ☑ Teacher Background  ☐ Printable Activities
Bilingual:  Spanish  Grades 1 - 12

USGS Children's Butterfly Site

Pages are available in Spanish, French, German, Dutch and Italian. Website includes a coloring page that shows the life cycle of the Monarch, some answers to FAQ about butterflies and moths, some references to butterfly and moth books and videos suitable for young people, and butterfly pictures.
Subjects: insects & spiders, life cycle.  Bilingual: Several languages
☑ Student Background  ☐ Online Activities  ☑ Teacher Background  ☑ Printable Activities
Bilingual:  Several languages  Grades 0 - 12

Using Live Insects In Elementary Classrooms
http://insected.arl.arizona.edu/uli.htm

20 lesson plans - includes special activity sheets, information and rearing sheets, and a complete reference source for all of the lesson plans.
Subjects: insects & spiders, life cycle, animals with food/nutrition tie-ins.  Bilingual: Spanish
☑ Student Background  ☐ Online Activities  ☑ Teacher Background  ☑ Printable Activities
Bilingual:  Spanish  Grades 0 - 3

Wild Ones
www.thewildones.org

Also in Spanish and Portuguese language. Students can read about the people who work to protect endangered animals and habitats and find out what it is like to work as a conservation biologist. Choose "teachers" for classroom activities. The Wild Ones is an ever-growing network of more than 30,000 children, teachers, and conservation professionals in 30 countries around the world. The Wild Ones provides students with an international perspective, opportunities for cooperative science activities, and a positive outlook on their capacity as individuals to improve the prospects for endangered species.
Subjects: endangered & extinct, adaptation/diversity, habitat.  Bilingual: Spanish
☑ Student Background  ☐ Online Activities  ☑ Teacher Background  ☐ Printable Activities
Bilingual:  Spanish  Grades 2 - 8

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