Websites

Second Grade Plants and Insects

ABC Teach
http://www.abcteach.com/
K;1st;2nd;3rd;4th;5th

**Website Type:** Teacher Activities; Worksheets
This website is full of printable worksheets on an assortment of different topics. Many free printables. You can also sign up for membership to have access to interactives and more.

Activities for Your Pond
http://library.thinkquest.org/04oct/00228/activitiesv.html
K;1st;2nd;3rd;4th;5th

**Website Type:** Teacher Activities
Activities for Your Pond Visit. We hope you will try these activities at a pond near you. Make a Pond Scope, Observation Station, Water Measurement Activity, Microscope Activity, Plant Collection Activity

Alameda Master Gardener's School Garden Resources
http://acmg.ucdavis.edu/
K;1st;2nd;3rd;4th;5th;6th;7th;8th;9th;10th;11th;12th

**Website Type:** Teacher Background
This site has lots of gardening resources including some specific pages on how to start and school garden and what you can do in it with your students.

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

**Website Type:** Teacher Background
Professional Association for the study of spiders. Has links for a North American Spider Identification Manual

Apples & More
http://www.urbanext.uiuc.edu/apples/edu-introduction.html
K;1st;2nd;3rd;4th;5th;6th;7th;8th;9th;10th;11th;12th

**Website Type:** Student Online Activities; Teacher Activities; Teacher Background
A variety of educational activities and projects about apples, including lessons for social studies, science, math, writing

Ask A Biologist - Arizona State University
http://askabiologist.asu.edu/
K;1st;2nd;3rd;4th;5th;6th;7th;8th;9th;10th;11th;12th;PK

**Website Type:** Student Background; Student Online Activities; Teacher Activities; Teacher Background; Worksheet
Ask A Biologist began in 1997 in the School of Life Sciences. The site continues to be developed, and maintained by a dedicated group of volunteers. It is designed as an educational resource for students preK-12, and their teachers and parents. Ask A Biologist is visited by over 9,000 people every day and has answered more than 30,000 questions.

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Websites are an excellent place for finding activity ideas.
Binford Spider Lab
http://www.lclark.edu/college/departments/biology/binford_spider_lab/
K;1st;2nd;3rd;4th;5th;6th;7th;8th;9th;10th;11th;12th

**Website Type:** Teacher Background
Greta Binford is a Spider Biologist at Lewis and Clark College. Her website has lots of information on all things spider.

### Bottle Biology

http://www.bottlebiology.org/index.html
1st;2nd;3rd;4th;5th;6th;7th;8th

**Website Type:** Teacher Activities; Teacher Background
This website contains how to's for several different bottle biology columns. Decomposition, Kimchee, and a TerrAqua Column

### Bottle Biology Lesson Plans

1st;2nd;3rd;4th;5th;6th;7th;8th

**Website Type:** Teacher Activities; Teacher Background
This website contains how to's for several different bottle biology columns. Decomposition, Kimchee, and a TerrAqua Column

### Bottle Habitat Lesson Plan

http://www.reachoutmichigan.org/funexperiments/agesubject/lessons/bottle.html
1st;2nd;3rd;4th;5th;6th;7th;8th

**Website Type:** Teacher Activities; Teacher Background
Students will construct an aquatic ecosystem in a two-liter pop bottle. The stock organisms will be: water plants, snails, and fish. Students will record data concerning the observations they make over a four-week period.

### Bug Hunt!

http://www.lawrencehallofscience.org/kidsite/portfolio/bug-hunt/
K;1st;2nd;3rd;4th;5th

**Website Type:** Student Background; Student Online Activities; Teacher Activities
Billions of bugs and other insects live on Planet Earth. How many kinds can you find? Go on a hunt for ants, butterflies, ladybugs and more. Record what you find, submit your data online, and discover where different kinds of insects live all over the United States.

### Bug Scope

http://bugscope.beckman.uiuc.edu/
K;1st;2nd;3rd;4th;5th;6th;7th;8th;9th;10th;11th;12th

**Website Type:** Student Online Activities; Teacher Activities; Teacher Background
The Bugscope project is an educational outreach program for K-12 classrooms. The project provides a resource to classrooms so that they may remotely operate a scanning electron microscope to image "bugs" at high magnification. The microscope is remotely controlled in real time from a classroom computer over the Internet using a web browser. The page also has many close up images of insects and descriptions.

### Bugbios: Entomological Database of Very Cool Bugs

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

**Website Type:** Teacher Background
The Entophiles currently contain 150 photographs (52 ) from California, Brazil, Ecuador, Indonesia and Hawaii. You'll also find frequently asked questions (FAQ's), information about insect macrophotography equipment, shoot locations and photo usage information.
BugGuide.net
http://www.bugguide.net
K;1st;2nd;3rd;4th;5th;6th;7th;8th;9th;10th;11th;12th
Website Type: Teacher Background
BugGuide.net is an online resource devoted to North American insects, spiders and their kin, offering identification, images, and information.

California Foundation for Agriculture in the Classroom
http://www.cfaitc.org
K;1st;2nd;3rd;4th;5th;6th;7th;8th;9th;10th;11th;12th
Website Type: Teacher Activities; Teacher Background
Resource that connects 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.
For resources in Spanish: <http://www.cfaitc.org/spanish/>

Common Trees of the Pacific Northwest
http://oregonstate.edu/trees/index.html
K;1st;2nd;3rd;4th;5th;6th;7th;8th;9th;10th;11th;12th
Website Type: Student Background; Student Online Activities; Teacher Background
How to identify trees of the Pacific Northwest (Many are common to California as well). Has a nice on-line dichotomous key and a "mystery tree" section that lets you test your identification skills using the dichotomous key.

DFG - California Plant and Animal Species
http://www.dfg.ca.gov/wildlife/nongame/genplantsanimals.html
K;1st;2nd;3rd;4th;5th;6th;7th;8th;9th;10th;11th;12th
Website Type: Teacher Background
Lots of information from the Department of Fish and Game on California Wildlife. Links and pictures

Dichotomous Tree Key
K;1st;2nd;3rd;4th;5th;6th;7th;8th;9th;10th;11th;12th
Website Type: Student Background; Student Online Activities; Teacher Background
Learn how to identify different trees with this nice simple Dichotomous Tree Key

ElEducador.com-primaria
http://www.eleducador.com/planes-de-clase/ciencias-naturales/primaria.html
1st;2nd;3rd;4th;5th
Website Type: Teacher Activities
Eleducador is a Colombian website full of links to lesson plans for science as well as other subjects. This page contains links to Science for elementary school-age students. Vocabulary, activities, and articles for teachers are included. Site is free for use and available only in Spanish.

enature.com Fieldguides
K;1st;2nd;3rd;4th;5th;6th;7th;8th;9th;10th;11th;12th
Website Type: Student Background; Student Online Activities; Teacher Background
This site has online fieldguides for a variety of different types of animals and plants. Includes many photos. Has a nice feature where you can put in your zipcode and it will create a fieldguide of plants and animals in your area.

9/24/2014 Websites are an excellent place for finding activity ideas.
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.

EPA Explorers Club
http://www.epa.gov/students/index.html
1st;2nd;3rd;4th;5th

Website Type: Student Background
Natural resources activities and information. Fun and interesting activities, facts, and resources for kids and teachers about plants and animals, garbage and recycling, and the environment.

Essig Museum of Entomology
http://essig.berkeley.edu/
K;1st;2nd;3rd;4th;5th;6th;7th;8th;9th;10th;11th;12th

Website Type: Teacher Background
Website for the Museum of Entomology at the University of California, Berkeley. Has a section on the insects and spiders of California, including those that are endangered.

Exploring the Secret Life of Trees
http://www.urbanext.uiuc.edu/trees2/index.html
1st;2nd;3rd;4th;5th

Website Type: Student Background; Student Online Activities; Teacher Background
Has audio in both English and Spanish that allows the site to be used by younger students. Teacher guide section includes some activity ideas for exploring more about trees with your students.

Forest/Tree Resources
http://www.logging.org/kids/kids.html
K;1st;2nd;3rd;4th;5th;6th;7th;8th;9th;10th;11th;12th

Website Type: Teacher Activities
Kids site set up by Montana Logging Association. Has very nice coloring pages for many species of trees.

Fruits, Seeds and their Dispersal
K;1st;2nd;3rd;4th;5th

Website Type: Teacher Activities; Teacher Background
Plants have a variety of ways in which they disperse their seeds, or the fruits containing the seeds. Four main groups of dispersal mechanisms can be recognized: animal, wind, water and self-dispersal. The size, shape and color of the fruit and seed, together with other features, reflect the method of dispersal.

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

Website Type: Teacher Background
Green Schoolyard Resource Directory for the San Francisco Bay Area For schools, parents, teachers, students, designers, and community members in San Francisco and around the Bay Area.
Growing Minds - Farm to School  
http://growing-minds.org/lesson-plans/  
K;1st;2nd;3rd;4th;5th;6th;7th;8th;9th;10th;11th;12th  
**Website Type:** Student Background; Teacher Activities; Teacher Background  
This site has a nice selection of activities and resources about how to create and use a school garden and its bounty.

Honey Bee Cam  
http://explore.org/#!/live-cams/player/honey-bee-hive-cam  
K;1st;2nd;3rd;4th;5th;6th;7th;8th;9th;10th;11th;12th;PK  
**Website Type:** Student Videos  
Live shot of a bee hive in Germany. Take an intimate look a life of a beehive. This infrared view of the inside of the hive shows the complex inner workings of the colony as they build combs, produce honey, protect the queen, and raise a new generation of workers and drones. Building their communal home inside a large hollow log, the colony is located in the town of Waal in Bavaria, Germany. - See more at: http://explore.org/#!/live-cams/player/honey-bee-hive-cam

How Paper is Made  
http://www.forestprod.org/cdromdemo/pf/pf8.html  
K;1st;2nd;3rd;4th;5th;6th;7th;8th;9th;10th;11th;12th  
**Website Type:** Student Background; Student Online Activities; Teacher Activities; Teacher Background  
Nice diagram of the steps and machinery used to make paper.

How Science Works  
http://video.calacademy.org/details/530  
K;1st;2nd;3rd;4th;5th;6th;7th;8th;9th;10th;11th;12th  
**Website Type:** Student Videos  
How does science work? Kind of like a pinball machine. Check it out! The California Academy of Science's Charles Griswold takes us through the process of science with an exciting new spider discovery.

Insects as Food - Recipes for Eating Insects  
http://www.ent.iastate.edu/misc/insectsasfood.html  
K;1st;2nd;3rd;4th;5th;6th;7th;8th;9th;10th;11th;12th  
**Website Type:** Teacher Activities; Teacher Background  
This site contains a series of recipes for using insects as ingredients for different dishes. It also gives suggestions about where to get insects to use as food.

Kids Gardening Website  
http://www.kidsgardening.com/  
K;1st;2nd;3rd;4th;5th;6th;7th;8th  
**Website Type:** Teacher Activities; Teacher Background  
Great ideas for teaching from the garden – check out the unit on creating dyes from plants! A teacher resource website with information on grants, classroom stories, and ideas for getting gardening into the classroom.

Lawrence Hall of Science Kid's Corner  
http://www.lawrencehallofscience.org/kidsite/  
K;1st;2nd;3rd;4th;5th  
**Website Type:** Student Online Activities; Teacher Activities  
Has the following on the Kid's page: Bat Quiz, Tower of Hanoi, Feline Facts Quiz, Virtual Cat Show, Chem Mystery, Star Clock, Mr. Bones, Kids' Web Pages, Mapping Fish Habitats, Juice Bottle Jingles, Tree Homes, TEAMS, Meet the Surf City Kids!, Biology Lab, Shongo Networks, Whale Songs, What is Your Foot Doing? Parents can visit "Home Activities!" for at-home lesson ideas.
Let’s Talk About Insects
http://www.urbanext.uiuc.edu/insects/01.html
1st;2nd;3rd;4th;5th;6th

Website Type: Student Background;Student Online Activities;Teacher Activities;Teacher Background
Has audio in both English and Spanish that allows the site to be used by younger students. 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.

Life Cycle of Plants
K;1st;2nd;3rd;4th;5th

Website Type: Student Background;Student Online Activities
Set of simple on-line activities to familiarize students with the life cycle of plants including: Seed Growth, Parts of a Flower, Seed Dispersal and Plant Identification.

Meet the "Treetures"
http://www.treetures.com/Meet1.htm
K;1st;2nd;3rd;4th

Website Type: Student Background;Student Online Activities;Teacher Activities;Teacher Background
Treetures is an environmental education program that focuses on trees. It uses whimsical characters - the treetures - that help introduce students to tree planting and care. Good content embedded in the stories of these treetures.

Missouri Botanical Garden Rainforest Pages
http://www.mbgnet.net/sets/rforest/index.htm
K;1st;2nd;3rd;4th;5th;6th;7th;8th

Website Type: Student Background;Student Online Activities;Teacher Background
General site that has pictures and background information about the plants and animals of the rainforest, both temperate and tropical. Includes a page of rainforest links.

MonarchWatch Butterfly Gardening
http://www.monarchwatch.org/garden/
K;1st;2nd;3rd;4th;5th;6th;7th;8th;9th;10th;11th;12th

Website Type: Student Background;Teacher Activities;Teacher Background
A comprehensive web site dedicated to the cultivation of butterfly gardens with links to purchase plants, larvae, and other needs.

My First Garden
http://urbanext.illinois.edu/firstgarden/index.cfm
2nd;3rd;4th;5th;6th

Website Type: Student Background;Student Online Activities
Has audio in both English and Spanish that allows the site to be used by younger students. Get ready to learn about gardens, flowers, vegetables and the principles of horticulture. The Teacher guide section of the website has good ideas about activities with insects for the classroom.

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

Website Type: Teacher Activities;Teacher Background
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.

**Pinterest Page on Bottle Biology Projects**
1st;2nd;3rd;4th;5th;6th;7th;8th
**Website Type:** Teacher Activities; Teacher Background
This pinterest page has lot of links to bottle biology projects

**Redwoods - National Geographic**
http://ngm.nationalgeographic.com/redwoods/redwoods
K;1st;2nd;3rd;4th;5th;6th;7th;8th;9th;10th;11th;12th
**Website Type:** Student Background; Student Online Activities; Teacher Background
This site explores many different aspects of redwood trees and their ecosystems through video, photos, interactive maps and more.

**Save the Redwoods League**
http://education.savetheredwoods.org/kit/learn.php
K;1st;2nd;3rd;4th;5th;6th;7th;8th;9th;10th;11th;12th
**Website Type:** Student Background; Student Online Activities; Teacher Activities; Teacher Background
The website has many valuable resources about redwood trees and their habitats. Older students will enjoy the Redwoods Transect Lessons.

**Science and Nature Videos from Hidden Villa**
K;1st;2nd;3rd;4th;5th;6th;7th;8th;9th;10th;11th;12th
**Website Type:** Student Videos; Teacher Videos
To assist educators in teaching science concepts we have developed 30 short videos that can help build students' life science knowledge and retention. Each video is a demonstration of a standard from the new NEXT GENERATION SCIENCE STANDARDS, but you can use them right now with your current curriculum. Teachers can use these short videos to:
* Introduce a concept
* Get students excited to learn about science
* Stimulate class discussion and exploration
* Show students real world examples

**Science Plants**
http://classroom.jc-schools.net/basic/sciplants.html
K;1st;2nd;3rd;4th;5th
**Website Type:** Student Online Activities
This website has a bunch of links to other websites with online activities for students on plant parts, vascular plants, and more.

**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?
Scott Foresman Science
http://www.sfscience.com/index.htm
K;1st;2nd;3rd;4th;5th
Website Type: Student Online Activities
This site from Pearson Publishing has online games for each grade level and topic. Each page is also available in Spanish.

Seeds Dispersal
K;1st;2nd;3rd;4th;5th
Website Type: Teacher Activities; Teacher Background
Through these activities children can learn:
• that there are variations in seed shapes
• that these variations are important because they help the seed to reach a suitable habitat and to colonise new areas, free of competition from their own species.

Silkworms
http://www.suekayton.com/silk.htm
K;1st;2nd;3rd;4th;5th;6th;7th;8th;9th;10th;11th;12th
Website Type: Teacher Background
Information about raising silkworms from where to get silkworm eggs to teacher resources, pictures, science questions, history, and more

Teacher's Corner
http://thematicunits.theteacherscorner.net/plants.php
K;1st;2nd;3rd;4th;5th;6th;7th;8th;9th;10th;11th;12th
Website Type: Teacher Activities; Teacher Background
Many websites and lesson plans about plants and seeds, plant behavior in different seasons, etc. Includes book suggestions with links to ordering info at Amazon.com.

The Center for Insect Science Education Outreach
http://insected.arizona.edu/home.htm
K;1st;2nd;3rd;4th;5th;6th;7th;8th;9th;10th;11th;12th
Website Type: Teacher Activities; Teacher Background
Using Live Insects in Elementary Classrooms and Acres of Insects are curriculum units designed to foster the use of live insects as teaching models. Includes background information about arthropods and how to use them in the classroom.

The Forest Foundation
http://www.calforestfoundation.org/index.htm
K;1st;2nd;3rd;4th;5th;6th;7th;8th;9th;10th;11th;12th
Website Type: Student Background; Student Online Activities; Teacher Background
This website has lots of free resources for teachers and students when studying the forest habitats of California. Geared for grade 3+ but lots of good content for teachers of the younger grades.

The Insects Homepage
http://earthlife.net/insects/six.html
K;1st;2nd;3rd;4th;5th;6th;7th;8th;9th;10th;11th;12th
Website Type: Student Background; Teacher Background
Wonderful world of insects has interesting facts and links to insects with amazing adaptations, insect habitats, sexual characteristics, anatomy and insect orders.

9/24/2014 Websites are an excellent place for finding activity ideas.
The School Garden Wizard
http://www.schoolgardenwizard.org/
K;1st;2nd;3rd;4th;5th;6th;7th;8th;9th;10th;11th;12th
Website Type: Student Background; Teacher Activities; Teacher Background
The School Garden Wizard is a resource for educators and volunteers planning a school garden from the ground up.

Using Live Insects In Elementary Classrooms
http://insected.arl.arizona.edu/uli.htm
K;1st;2nd;3rd
Website Type: Teacher Activities; Teacher Background
20 lesson plans - includes special activity sheets, information and rearing sheets, and a complete reference source for all of the lesson plans.

Wisconsin Fast Plants
http://www.fastplants.org
K;1st;2nd;3rd;4th;5th;6th;7th;8th;9th;10th;11th;12th
Website Type: Teacher Activities; Teacher Background
To know a plant, grow a plant! Exploration, discovery, and the scientific process come alive when your students grow Fast Plants in the classroom. These petite, hardy, attractive members of the mustard family whiz through an ultra-short life cycle in about 35-45 days. At their peak, the tallest plants only reach a height of 30 cm (about 12 inches); most plants are even shorter. Their website is education friendly and has activities ready to use in the classroom.