Websites
Kindergarten - Plants and Animals

4-H Virtual Farm: Poultry
https://www.sites.ext.vt.edu/virtualfarm/main.html
K;1st;2nd;3rd;4th;5th;6th;7th;8th
Website Types: Student Background; Student Online Activities; Teacher Background
Check out the "virtual chick hatch" at this 4H farming website for nice images and facts about chicken life cycles. Link back to main site for more farming info.

A replica of the complete John James Audubon's Birds of America
http://www.abirdshome.com/Audubon/
K;1st;2nd;3rd;4th;5th;6th;7th;8th;9th;10th;11th;12th
Website Types: Student Background; Teacher Background
A replica of the complete John James Audubon's Birds of America (1840-1844) Includes the full text, color plates, figures and bird calls

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

Aesop's Fables on-line
http://www.aesopfables.com/
K;1st;2nd;3rd;4th;5th;6th;7th;8th;9th;10th;11th;12th
Website Types: Teacher Background
This website has a collection of Aesop's Fables and related lesson plans. Nice literature tie for many types of animals

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 Types: 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.

All About Snails
http://www.kiddyhouse.com/Snails/snail.html
K;1st;2nd;3rd;4th;5th;6th;7th;8th;9th;10th;11th;12th
Website Types: Student Background; Teacher Activities; Teacher Background
This site has a lot of general information about snails. Has some advertizements related to snails.
Alphabet Soup - theme based lessons
http://www.alphabet-soup.net/theme.html
K
Website Types: Teacher Activities; Teacher Background
Great activities for primary grades- songs, fingerplays, coloring pages, children's book references, and activities.

American Arachnology Association
http://www.americanarachnology.org/
K; 1st; 2nd; 3rd; 4th; 5th; 6th; 7th; 8th; 9th; 10th; 11th; 12th
Website Types: Teacher Background
Professional Association for the study of spiders. Has links for a North American Spider Identification Manual

Animal Arts and Crafts
https://kids.sandiegozoo.org/activities
K; 2nd; 3rd; PK; TK
Website Types: Teacher Activities
Arts and crafts in an animal theme

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

Arctic Animal Crafts
K; 1st; 2nd; 3rd; 4th; 5th
Website Types: Teacher Activities
This site has whimsical art projects that can be made by students with everyday objects.

Arctic Animals of Alaska
http://score.rims.k12.ca.us/activity/alaska/
K; 1st; 2nd; 3rd; 4th; 5th
Website Types: Student Background; Teacher Activities; Teacher Background
This is a short unit on Arctic Animals of Alaska. Has links to related websites to support the different lessons embedded in the webpage.

Art Integration: Easy Ideas Combining Science and Art
K; 1st; 2nd; 3rd; 4th; 5th
Website Types: Teacher Activities
Site gives 4 great ideas for tying art to your science curriculum.

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 Types: Student Background; Student Online Activities; Teacher Activities; Teacher Background; Worksheets; Teacher Backround
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.
Bat Conservation International
http://www.batcon.org/
K;1st;2nd;3rd;4th;5th;6th;7th;8th;9th;10th;11th;12th;PK

**Website Types:** Student Background; Teacher Activities; Teacher Background

Photos, descriptions, $40 Bat Trunk Rental for teachers. You can also look at PDF versions of their magazine. Lots of information about bats

BatsLive: A Distance Learning Adventure
http://batslive.pwnet.org/
K;1st;2nd;3rd;4th;5th;6th;7th;8th;9th;10th;11th;12th;PK

**Website Types:** Teacher Activities; Teacher Background; Student Videos; Worksheets; Teacher Videos

This site includes videos on various species of bats and the places they live. Find lots of other resources on background information, activity ideas, printable posters and more.

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 Types:** Teacher Background

Greta Binford is a Spider Biologist at Lewis and Clark College. Her website has lots of information on all things spider.

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

**Website Types:** 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.

Bugbios: Entomoglogical Database of Very Cool Bugs
http://www.insects.org/entophiles
K;1st;2nd;3rd;4th;5th;6th;7th;8th;9th;10th;11th;12th

**Website Types:** 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.

Building a Terrarium
https://kidsgardening.org/garden-activities-building-a-terrarium/
K;1st;2nd;3rd;4th;5th;PK

**Website Types:** Teacher Activities; Teacher Background

Instructions on how to make a simple terrarium in a 2 liter bottle.

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 Types:** 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 Types: 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 Types: Teacher Background
Lots of information from the Department of Fish and Game on California Wildlife. Links and pictures

Dichotomous Tree Key
http://dnr.wi.gov/org/caer/ce/eek/veg/treekey/index.htm
K;1st;2nd;3rd;4th;5th;6th;7th;8th;9th;10th;11th;12th
Website Types: Student Background;Student Online Activities;Teacher Background
Learn how to identify different trees with this nice simple Dichotomous Tree Key

Enchanted Learning "Label Me" Printouts
http://www.enchantedlearning.com/label/
K;1st;2nd;3rd;4th;5th;6th;7th;8th
Website Types: Student Background;Teacher Activities
This website 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.

Engineering Adventures
http://eie.org/engineering-adventures/curriculum-units
K;1st;2nd;3rd;4th;5th;PK
Website Types: Student Background;Student Online Activities;Teacher Activities;Teacher Background;Student Videos
Engineering Everywhere is a FREE engineering curriculum for elementary level students. Choose from seven units with fun, hands-on engineering design challenges based on real events around the world.

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

Explore.org Live Cams
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 Types: Student Videos
Explore.org has a collection of live cams from around the world. Some are in museums/nature centers. Others are outdoors. Honey Bee Cam, Penguin Cam, Seal Cam, Wave Cam, kelp forest cam. Lots of options for animals and environments.

Frogs and Toads in Color and Sound
K;1st;2nd;3rd;4th;5th;6th;7th;8th;9th;10th;11th;12th
Website Types: Student Background;Teacher Background
Frog and Toad photographs and calls.
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.

**Fruits, Seeds and their Dispersal**
http://www.saps.org.uk/primary/teaching-resources/223-fruits-seeds-and-their-dispersal

**Green Schoolyard Resource Directory**

**Growing Minds - Farm to School**
http://growing-minds.org/lesson-plans/

**Kid's Soup Pond Activities**
http://www.kidssoup.com/Frog-pond-activities/frog-pond-crafts.html

**Kids Gardening Website**
https://kidsgardening.org/

**KidZone - Activity ideas on bats**
http://www.kidzone.ws/animals/bats/activities.htm

**Lawrence Hall of Science Kid's Corner**
http://www.lawrencehallofscience.org/kidsite/
Meet the "Treetures"
http://www.treetures.com/Meet1.htm
K;1st;2nd;3rd;4th

**Website Types:** 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 Types:** 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.

**Monterey Bay Aquarium Activities Page**
https://www.montereybayaquarium.org/education/classroom-resources/games-and-activities
K;1st;2nd;3rd;4th;5th;6th

**Website Types:** Student Background; Student Online Activities; Teacher Activities; Teacher Background

This site has both printable and on-line activities for kids about the animals that live at and around the Monterey Bay.

**Mrs. Jones Bat Page**
http://www.mrsjonesroom.com/themes/bats.html
K;1st;2nd;3rd;4th;PK

**Website Types:** Teacher Activities; Teacher Background; Student Videos; Worksheets; Teacher Videos

This website was set up by an elementary teacher. She has included links to lots of videos about bats, craft ideas and literature connections.

**National Geographic - Emperor Penguin Page**
http://kids.nationalgeographic.com/kids/animals/creaturefeature/emporer-penguin/
K;1st;2nd;3rd;4th;5th

**Website Types:** Student Background; Student Online Activities; Teacher Activities; Teacher Background

Videos, slide shows, coloring pages and more.

**National Zoo Reptiles and Amphibians**
https://nationalzoo.si.edu/animals
K;1st;2nd;3rd;4th;5th;6th;7th;8th;9th;10th;11th;12th

**Website Types:** Student Background; Teacher Background

Good site for background information on a wide variety of reptiles and amphibians. Limited kids page.

**Notice and Wonder**
http://www.calacademy.org/educators/lesson-plans/notice-and-wonder
K;1st;PK

**Website Types:** Teacher Activities

How can you turn a snail, worm, or roly-poly into an object of inquiry for a young learner? Simply ask a few questions! With this activity, you can help guide students in making observations of a living thing and asking relevant questions about its characteristics or behavior.

**Oakland Zoo**
http://www.oaklandzoo.org/Animals.php
K;1st;2nd;3rd;4th;5th;6th;7th;8th;9th;10th;11th;12th

**Website Types:** Student Background; Teacher Background

This website lets you look at all the animals at the zoo in pictures and descriptions.
Old Farmer's Almanac for Kids
http://www.almanac4kids.com/weather/index.php
K;1st;2nd;3rd;4th;PK

**Website Types:** Student Background; Student Online Activities; Teacher Activities; Teacher Background; Teacher Videos

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.

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

**Website Types:** 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.

PEEP and the Big Wide World
K;PK

**Website Types:** Student Background; Student Online Activities; Teacher Activities; Teacher Background; Student Videos;

The Emmy Award-winning series that teaches science and math to an early childhood audience has an all-new bilingual website in Spanish and English--including an extensive science curriculum and video-based professional development about teaching science to young children. The greatly expanded website features 6 curriculum units in Spanish and English. Each provides three weeks of exploration and features hands-on activities, videos, and book recommendations.

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 Types:** 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 Types:** 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 Types:** 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 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?

**Scientists @ the Smithsonian**
http://www.smithsonianeducation.org/scientist/
K;1st;2nd;3rd;4th;5th;6th;7th;8th;9th;10th;11th;12th

**Website Types:** 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?

**Sea World Teacher Guides**
https://seaworld.org/teachers/classroom-resources/teachers-guides/
K;1st;2nd;3rd;4th;5th;6th;7th;8th

**Website Types:** Teacher Activities; Teacher Background

This site has downloadable teacher guides on many topics and grade levels having to do with Marine life. Examples are "Orcas," "Sea Lions and Seals," and "Penguins."

**Seeds Dispersal**
K;1st;2nd;3rd;4th;5th

**Website Types:** 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.

**Shedd Educational Adventures**
http://www.shedd aquarium.org/
K;1st;2nd;3rd;4th;5th;6th;7th;8th;9th;10th;11th;12th

**Website Types:** Student Background; Student Online Activities; Teacher Background

Shedd Educational Adventures (SEA) contains a treasure trove of aquatic science resources for K-12 teachers and students.

**Slug and Snail PowerPoint Presentations**
https://animals.pppst.com/snails.html
K;1st;2nd;3rd;4th;5th;8th

**Website Types:** Teacher Activities; Teacher Background

Free PowerPoint Presentations on snails and slugs.

**Smithsonian Arctic Studies Center - Arctic Wildlife**
http://www.mnh.si.edu/arctic/html/wildlife.html
K;1st;2nd;3rd;4th;5th;6th;7th;8th;9th;10th;11th;12th

**Website Types:** Student Background; Student Online Activities; Teacher Activities; Teacher Background

The Arctic Studies Center explores the history of northern peoples, cultures, and environments and the issues that matter to northern residents today. This page specifically gives information on the wildlife of the arctic

**Snail Activities**
http://tlc.howstuffworks.com/family/snail-activities.htm
K;1st;2nd;3rd;4th;5th

**Website Types:** Teacher Activities

This site has activity ideas for "snail locomotion", "snail shelters", "making tracks" and craft ideas. Is a commercial site with advertisement.

**Snail Activity**
http://www.sciencekids.co.nz/lessonplans/animals/snails.html
K;1st;2nd;3rd;4th;5th

**Website Types:** Teacher Activities
Sure, snails appear a little slow but that’s no reason why we can’t race them! Enjoy the great snail race and learn some interesting facts about these unique creatures. This is a great activity to get kids involved so scroll down for the full lesson plan.

**Snail-World.com**  
http://www.snail-world.com/  
K;1st;2nd;3rd;4th;5th;8th  
**Website Types:** Teacher Background  
General site with interesting facts about different kinds of snails. Snails in culture, food, different kinds of snails....Some advertising on site.

**The Crab Street Journal**  
http://crabstreetjournal.org/wp/  
K;1st;2nd;3rd;4th;5th;6th;7th;8th;9th;10th;11th;12th  
**Website Types:** Student Background;Teacher Background  
This page offers teaching ideas, background info and a kidzone all on hermit crabs.

**The Hummingbird Website**  
http://hummingbirdworld.com/h/  
K;1st;2nd;3rd;4th;5th;6th;7th;8th;9th;10th;11th;12th  
**Website Types:** Student Background;Teacher Background  
This is an extensive site about hummingbirds. There is information on identifying hummingbirds, poetry and legends about hummingbirds and more.

**The School Garden Wizard**  
http://www.schoolgardenwizard.org/  
K;1st;2nd;3rd;4th;5th;6th;7th;8th;9th;10th;11th;12th  
**Website Types:** 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.

**Twiggle Magazine - Arctic Animal Activities**  
K;1st  
**Website Types:** Student Background;Teacher Activities;Teacher Background  
Twiggle Magazine designed this lesson plan with literature connections, printable booklets and worksheets, color sheets and more. Nice resource for pre-k to 1st grade

**Video: The Coralax**  
https://www.youtube.com/watch?v=7p0Gcy6P9GY  
K;1st;2nd;3rd;4th;5th;6th;7th;8th;9th;10th;11th;12th;PK  
**Website Types:** Student Videos;Teacher Videos  
This film was created by students in Maui Huliau Foundation’s Huliau Environmental Filmmaking Club. Inspired by Dr. Seuss’s The Lorax, this claymation by our new middle school students uses 667 images to show how irresponsible shoreline development can impact our precious reef ecosystem.

**WatchKnowLearn.org**  
http://www.watchknowlearn.org/  
K;1st;2nd;3rd;4th;5th;6th;7th;8th;9th;10th;11th;12th  
**Website Types:** 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.
Westward Frog
http://ice.ucdavis.edu/CANVDecliningAmphibians/oldpage/wwfrog.html
K;1st;2nd;3rd;4th;5th;6th;7th;8th;9th;10th;11th;12th
Website Types: Teacher Background
Contains resources for frog biology background. Has photos and sound clips of western frogs.

What Would Happen
http://www.calacademy.org/educators/lesson-plans/what-would-happen
K;1st;PK
Website Types: Student Background;Teacher Activities
By examining invertebrates, students as young as preschoolers can experience the process of inquiry, spark and satisfy curiosity about living things, make and test predictions, and communicate the results of the investigation.

Wisconsin Fast Plants
http://www.fastplants.org
K;1st;2nd;3rd;4th;5th;6th;7th;8th;9th;10th;11th;12th
Website Types: 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.

Worms, Snails and Slugs...Oh My!!
K;1st;2nd;3rd;4th;5th;8th
Website Types: Teacher Activities;Teacher Background
Teachers' blog on K-2 lessons for invertebrates. Connects literature and hands-on lessons.