



# CRS

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practical support for great science teaching

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## Sample Materials First Grade Life Science

### Classroom Books

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#### **A Freshwater Pond**

\$8-9

Amazon.com

[http://www.amazon.com/A-Freshwater-Pond-Small-Worlds/dp/0778701336/ref=sr\\_1\\_6?ie=UTF8&ISBN:0778701476](http://www.amazon.com/A-Freshwater-Pond-Small-Worlds/dp/0778701336/ref=sr_1_6?ie=UTF8&ISBN:0778701476)

By Adam Hibbert. A Freshwater Pond describes the plants, animals and insects that live in a pond and how they adapt to its changing conditions in dry summers and icy winters. Insects, amphibians, reptiles and animals are featured along with plants ranging from single-celled algae to bug-eating plants.

#### **A Pocketful of Cricket**

\$1-2

Amazon.com

[http://www.amazon.com/A-Pocketful-Cricket-Rebecca-Caudill/dp/0805012753/ref=sr\\_1\\_cc\\_1?s=a](http://www.amazon.com/A-Pocketful-Cricket-Rebecca-Caudill/dp/0805012753/ref=sr_1_cc_1?s=a)

by Rebecca Caudill, Evaline Ness (Illustrator). Out of print, available at public libraries. On his way home with the cows one evening, a six-year-old Kentucky farm boy catches a cricket and makes it his friend. The story reveals a child's sense of wonder about nature in verse-like prose. Full color. Caldecott Honor Book.

#### **A Seed Grows : My First Look at a Plant's Life Cycle**

\$20-25

Amazon.com

[http://www.amazon.com/Seed-Grows-My-First-Look/dp/1550742000/ref=sr\\_1\\_1?s=books&ie=UTF8ISBN:978-1550742008](http://www.amazon.com/Seed-Grows-My-First-Look/dp/1550742000/ref=sr_1_1?s=books&ie=UTF8ISBN:978-1550742008)

by Pamela Hickman (Author), Heather Collins (Illustrator) ISBN-13: 978-1550742008 Seeds and kids start out small and grow wondrously, which may explain some of children's fascination with planting, growing, and, subsequently, exploring their environments. With sentences that mimic the cumulative pattern of "The House that Jack Built," Hickman's hand-sized book uses the backyard garden to investigate plant life cycles. Each page has a fold-over flap that reveals further facts and illustration details relating to the page's topic. Sam plants his vegetable seeds; behind the flap are close-ups of the sprout's growth underground. When a bee pollinates a flower, an opened flap reveals its hive. The vegetable garden the children plant in the beginning of the book is harvested at its end; each vegetable and fruit is cut open to reveal more seeds--the completion of the cycle. It's been done before in many other books, but this version, with its lush illustrations of a bountiful garden, is a summertime treat.

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| <b>A Snail's Pace</b>  | \$5-6  |
| Amazon.com   |        |
| <i><a href="http://www.amazon.com/Snails-Pace-Rookie-Read-About-Science/dp/0516208128/ref=sr_1_7?s=">http://www.amazon.com/Snails-Pace-Rookie-Read-About-Science/dp/0516208128/ref=sr_1_7?s=</a></i>   |        |
| ISBN: 978-0516208121   |        |
| By Allan Fowler. This brief look at snails and slugs discusses different varieties, how they move, what they eat, how big or small they are, and which ones end up on dinner plates. Clear photos help convey the scale of these familiar creatures; a photo glossary reviews new terms. This is a slight but generally informative volume. Non-fiction.   |        |
| <b>A Tree for All Seasons</b>  | \$5-6  |
| Amazon.com   |        |
| <i><a href="http://www.amazon.com/Tree-Seasons-Avenues-Robin-Bernard/dp/0792266749/ref=sr_1_1?s=bo">http://www.amazon.com/Tree-Seasons-Avenues-Robin-Bernard/dp/0792266749/ref=sr_1_1?s=bo</a></i>   |        |
| ISBN: 0792266749   |        |
| By Robin Bernard. Observing a maple tree over time, children get a clear picture of what trees do and how seasons change. In summer, the tree is shown sunbathing and brimming with animal life. With autumn comes the flowing sap that makes maple syrup for pancakes. As winter approaches, the tree's leaves begin to fall, and it becomes nearly dormant. The beautiful photographs and simple text introduce young readers to the wonders of each season and encourage them to look closer at the natural world around them. Non-fiction. |        |
| <b>A Tree in the Ancient Forest</b>  | \$9-10 |
| Amazon.com   |        |
| <i><a href="http://www.amazon.com/Tree-Ancient-Forest-Carol-Reed-Jones/dp/1883220319/ref=sr_1_1?ie=U">http://www.amazon.com/Tree-Ancient-Forest-Carol-Reed-Jones/dp/1883220319/ref=sr_1_1?ie=U</a></i>   |        |
| ISBN1883220319   |        |
| By Canyon, Christopher (illustrator); Reed-Jones, Carol.   |        |
| Structured like "This Is the House that Jack Built," this environmental rhyme aims to show the interdependence of living things in the ancient forests.  |        |
| <b>Animal Disguises</b>  | \$8-9  |
| Acorn Naturalists  |        |
| <i><a href="http://www.acornnaturalists.com/">http://www.acornnaturalists.com/</a></i>   |        |
| #B-13447   |        |
| Weber. Enter the hidden world of animal camouflage. Learn how some animals use disguises to catch their prey while others use camouflage to avoid being eaten. Discover the great lengths to which some prey animals will go to avoid being attacked, even changing their true shape, color, or nature in order to protect themselves. Engaging reading for children ages 5-8. . Hardcover.  |        |
| <b>Arctic Babies</b>   | \$6-7  |
| Amazon.com   |        |
| <i><a href="http://www.amazon.com/Arctic-Babies-Kathy-Darling/dp/0802775047/ref=sr_1_1?s=books&amp;ie=UT">http://www.amazon.com/Arctic-Babies-Kathy-Darling/dp/0802775047/ref=sr_1_1?s=books&amp;ie=UT</a></i>   |        |
| ISBN: 0802775047   |        |
| by Kathy Daring. Photographs and text describe Arctic animals and their young. Maps and charts help the reader learn about the habitats of moose, foxes, walrus, porcupines, reindeer, and whales. Fact sections provide detailed information about the animals. Landforms of the Arctic are also discussed. Other books by this author include RAINFOREST BABIES (1996) and DESERT BABIES (1997).   |        |

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|--|--------|
| <b>Are You a Bee?</b>  | \$8-9  |
| Amazon.com   |        |
| <i>http://www.amazon.com/Are-You-Bee-Backyard-Books/dp/0753458047/ref=sr_1_1?s=books&amp;ie=ISBN0753453452</i>   |        |
| By Allen, Judy; Humphries, Tudor (illustrator). When you look at life from the perspective of a honeybee, the backyard suddenly becomes a busy place. A juvenile bee faces many challenges as it takes its place in the hive and joins in the work of the bee community. All the facts a young child needs to understand the life of this intriguing backyard creatures are packed into an engaging narrative.   |        |
| <b>Bats: A Creativity Book for Young Conservationists</b>  | \$4-5  |
| Bat Conservation International   |        |
| <i>http://www.batcon.org</i>   |        |
| B-7  |        |
| by Jane F. G. Jennings, with drawings by Laura A. Hoehn, 30 pages. With the focus on imagination, 28 activities challenge children in communication and math skills, writing, art, and more, while increasing their understanding of bats.   |        |
| <b>Berries, Nuts and Seeds (Take-Along Guide)</b>  | \$8-9  |
| Amazon.com   |        |
| <i>http://www.amazon.com/Berries-Nuts-Seeds-Along-Guides/dp/1559715731/ref=sr_1_1?ie=UTF8&amp;ISBN: 978-1559715737</i>   |        |
| by Diane L. Burns (Author), John F. McGee (Illustrator)<br>ISBN-13: 978-1559715737 The reader will find this attractive book useful for reports or, as the Take Along Guide series title implies, as a nature guide. Each page is devoted to one plant and its fruit. After a brief introduction to berries, nuts, and seeds as the fruit of a plant, Burns looks at specific fruit, one to a page, including raspberries, acorns, pecans, juniper berries, cattails, and thistle blossoms. The format is crisp, and the writing clear; each page features lovely watercolor pictures of the fruit and the plant or tree it comes from and information about what it looks like, where to find it, and who eats it. Interesting activities such as planting a seed garden and making berry watercolors round out a very nice treatment.  |        |
| <b>Bugs Are Insects</b>  | \$9-10 |
| Amazon.com   |        |
| <i>http://www.amazon.com/Bugs-Insects-Lets-Read---Find-Out-Science/dp/0064452034/ref=sr_1_1?ISBN: 0064452034</i>   |        |
| By Jenkins, Steve (illustrator); Rockwell, Anne. This well-written and informative book introduces budding entomologists to the world of insects and bugs. Rockwell offers basic factual information in an interesting, easy-to-read format. Common insects are introduced, and the main differences between insects and spiders are explained as well as what makes a bug a bug. The collage illustrations are beautifully rendered with layered colored papers of a variety of textures that add both depth and details to the creatures. The honeybee looks extremely lifelike with a fuzzy body and legs, and the illustration of a multihued birdwing butterfly accurately and attractively shows it sucking nectar from a flower. An index identifies the types of insects and other bugs that are found in the book, and some projects are suggested for those interested in learning more about insects. |        |
| <b>Camouflage: Changing to Hide (Nature's Changes)</b>   | \$8-9  |
| Amazon.com   |        |
| <i>http://www.amazon.com/Camouflage-Changing-Hide-Natures-Changes/dp/0778723062/ref=sr_1_1?ISBN-10: 0778723062</i>   |        |

Ages 6 to 10 years. This book explains the how and why of camouflage. It looks at camouflage as colors, patterns, and textures that some animals have on their bodies to protect them from predators. It also shows how other animals use camouflage to hide as they hunt for prey. Camouflage is a difficult concept, but this book presents it in a way that is accessible to even the youngest readers. This book provides children with detailed information about: How some animals are camouflaged by their shape, as well as their colours; Why animals need camouflage; Why baby animals may have different camouflage than their parents; How some animals that fly or swim are camouflaged by countershading.

### **City Foxes**

\$6-7

Amazon.com

[http://www.amazon.com/City-Foxes-Susan-J-Tweit/dp/0882404938/ref=sr\\_1\\_1?s=books&ie=UTF8](http://www.amazon.com/City-Foxes-Susan-J-Tweit/dp/0882404938/ref=sr_1_1?s=books&ie=UTF8)  
ISBN: 0882404938

By Susan J. Tweit. During a walk through an old Denver cemetery one day, photographer Wendy Shattil discovered a den of newborn red foxes and their parents. With her camera and skilled eye she followed the story of the foxes as the kits grew up amidst the dangers of the city. This work brings those photos together with the writing of natural history writer Susan Tweit to share with children the life of these wild creatures surviving an urban environment.

### **Como crece una semilla (How a Seed Grows) (Let's-Read-and-Find-Out Scie**

\$6-7

Amazon.com

<http://www.amazon.com>

ISBN-13: 978-0060887162 Revised illustrations and format make this book, originally published in 1960, a valuable choice. With charming illustrations and clear text, this simple introduction leads young readers through a series of steps that result in bean plants as well as a basic understanding of how seeds work. Children are encouraged to follow each aspect of the botanical process, from sowing bean seeds, to the growth of tiny root hairs, to transplanting the plant in the garden. Realistic and inviting full-color watercolors show only procedures that are possible for youngsters to follow with minimal involvement from adults. The African-American girl, who is the main character, is definitely in charge; her white male friend performs only menial tasks.

### **Desert Babies**

\$6-7

Amazon.com

[http://www.amazon.com/Desert-Babies-Animal-Kristen-McCurry/dp/1559718722/ref=sr\\_1\\_1?s=bo](http://www.amazon.com/Desert-Babies-Animal-Kristen-McCurry/dp/1559718722/ref=sr_1_1?s=bo)  
ISBN: 0802775330

by Kathy Darling. Brief, colorful portraits of 14 desert animals from around the world are presented. Each double-page spread provides two photographs, some narrative text, and a table of facts, which include the animal's geographic location, eating habits, size, parental care, and enemies.

### **Discovering slugs and snails**

FREE

Alameda County Public Libraries

<http://www.aclibrary.org>  
J594.3 COLDREY

By Jennifer Coldrey. Describes the physical characteristics, habitat, behavior, food, and reproduction of snails and slugs. Non-fiction.

### **Elephants Swim**

\$10-15

Amazon.com

[http://www.amazon.com/Elephants-Sandpiper-Books-Linda-Capus/dp/0395934893/ref=sr\\_1\\_1?ie=](http://www.amazon.com/Elephants-Sandpiper-Books-Linda-Capus/dp/0395934893/ref=sr_1_1?ie=)  
ISBN: 0395736544

By Linda Capus Riley. The big draw in this simple yet extremely clever introduction to animals and the way they respond to water is the artwork--stunning paper collages that feature animals in the water. There's only one line of text per page ("Kangaroos swim, but their babies stay dry" ), with the rest of the page being taken up with the shapely cutouts that have so much texture you want to reach out and touch them. Elephants, a squid, pelicans, and a polar bear are just a few of the creatures that make an appearance.

## **Great Kapok Tree: A Tale of the Amazon Rain Forest**

\$10-15

Amazon.com

[http://www.amazon.com/Great-Kapok-Tree-Amazon-Forest/dp/0152026142/ref=sr\\_1\\_1?s=books&ISBN: 015200520X](http://www.amazon.com/Great-Kapok-Tree-Amazon-Forest/dp/0152026142/ref=sr_1_1?s=books&ISBN: 015200520X)

by Lynne Cherry, This book tells the story of what happens when the rain forest is destroyed. Animals living in the kapok tree whisper the importance of the rain forest ecosystem in the ears of a sleeping tree cutter. Watercolor illustrations accompany the text.

## **Gulls Gulls Gulls**

\$6-7

Amazon.com

[http://www.amazon.com/Gulls-Gail-Gibbons/dp/082341664X/ref=sr\\_1\\_1?s=books&ie=UTF8&qid=ISBN 0823413233](http://www.amazon.com/Gulls-Gail-Gibbons/dp/082341664X/ref=sr_1_1?s=books&ie=UTF8&qid=ISBN 0823413233)

By Gail Gibbons. An overview of the world of gulls. Although introductory pages briefly give general information about the species, the main body of the book focuses on the herring gull, once nearly extinct and now found in numerous locations in North America. As in Gibbons's other nonfiction titles, both illustration and text provide basic, easy-to-understand facts. Habitat, physical characteristics, and behaviors are discussed with just the right amount of detail for young readers?informing without overwhelming. The format is attractive with framed, simply drawn watercolor illustrations showing the birds in the foreground against bright colorful seashore or seascape backgrounds of dominant blues and greens. Appendixes include illustrations of other gulls native to North America labeled with their names and range area and a page of additional facts.

## **Here Is the Tropical Rain Forest**

\$5-6

Amazon.com

[http://www.amazon.com/Here-Tropical-Rain-Forest-Life-ebook/dp/B00B3M48FM/ref=sr\\_1\\_1?s=bcISBN: 0613051424](http://www.amazon.com/Here-Tropical-Rain-Forest-Life-ebook/dp/B00B3M48FM/ref=sr_1_1?s=bcISBN: 0613051424)

Both pictures and language are worthy of note in a text that employs a "this is the house that Jack built" format to link plants, animals, and climate. The frog, for example, who bathes in the rain, is protected by the bromeliad, which is held by the tree, and so on. The words read aloud with a distinct rhythm, and Rothman's artwork, in a palette of subdued greens and browns, shows readers the connectedness of the plants and animals.

## **Hermit Crabs: Complete Pet Owner's Manual**

\$8-9

Amazon.com

[http://www.amazon.com/Hermit-Barrons-Complete-Owners-Manuals/dp/0764143441/ref=sr\\_1\\_1?s=ISBN: 978-0764143441](http://www.amazon.com/Hermit-Barrons-Complete-Owners-Manuals/dp/0764143441/ref=sr_1_1?s=ISBN: 978-0764143441)

Care and Treatment of Hermit Crabs as pets.

## **Hey Little Ant**

\$10-15

Insect Lore

<http://www.insectlore.com>

1819

Hey, little ant down in the crack. Can you hear me? Can you talk back? See my shoe, can you see that? Well now it's gonna squish you flat!" So begins a conversation between a young boy and the ant trembling in the shadow of his sneaker.

This playful story brings up questions about ethics and peer pressure, encouraging the very youngest citizens to decide for themselves: to squish...or not to squish?!

## **I See Animals Hiding**

\$3-4

Amazon.com

[http://www.amazon.com/See-Animals-Hiding-Jim-Arnosky/dp/0439232155/ref=sr\\_1\\_1?s=books&i](http://www.amazon.com/See-Animals-Hiding-Jim-Arnosky/dp/0439232155/ref=sr_1_1?s=books&i)  
ISBN: 0439232155

By Jim Arnosky. Arnosky describes the ways animals in nature camouflage themselves to escape danger. He explains how protective coloration helps woodcocks, owls, and moths stay hidden; how seasonal changes in the fur of weasels and snowshoe hares aid in concealment; and how the body shapes of speckled trout, snakes, and bittern assist them in blending in with their environments. Arnosky's distinctive watercolor paintings help clarify the text, and several invite listener participation. Large print adds to the book's appeal, though the reading level will be beyond the range of most of the intended audience.

## **Invertebrates Crabs, Crayfishes, and Their Relatives: Crabs, Crayfishes, and**

\$15-20

Amazon.com

[http://www.amazon.com/Crabs-Crayfishes-Their-Relatives-Crustaceans/dp/B002BJ2L8W/ref=sr\\_1](http://www.amazon.com/Crabs-Crayfishes-Their-Relatives-Crustaceans/dp/B002BJ2L8W/ref=sr_1)

Defines crustaceans, such as slaters and freshwater crayfishes, and describes their physical characteristics, life cycles, habitats, senses, food and means of self-defense.

## **It Must be a Bird Big book**

\$9-10

AIMS Education Foundation

<http://www.aimsedu.org/item/1116/it-must-be-a-bird-big-book-pre-k-2/1.html>  
1116

Beautifully illustrated, with text sung to the tune of "Must be Santa," this 11"x17" companion to It Must Be a Bird will captivate young students.

## **Ladybugs - Nature's Friend**

\$15-20

Insect Lore

<http://www.insectlore.com>  
5987

Ladybugs like you've never seen them before! The amazing clarity and detail of this book brings the ladybird beetle's world into focus. Learn fascinating facts on how ladybugs grow, fly and more. The beautiful illustrations help us to explore our earth's many different species of ladies! A great addition to any elementary natural science collection.

Part of the Nature's Friends book series.

## **Lands of Grass**

\$4-5

Amazon.com

[http://www.amazon.com/Lands-Grass-Rookie-Read-About-Science/dp/0516270893/ref=sr\\_1\\_1?s=](http://www.amazon.com/Lands-Grass-Rookie-Read-About-Science/dp/0516270893/ref=sr_1_1?s=)  
ISBN0516270893

By Fowler, Allan. Full-page color photos with clear, simple text to talk about changing land and animal life. The book about grassland, with facts about prairies, steppes, and savannahs in all weathers, and the pictures of the animals tell a conservation story.

- Living Color** \$15-20  
 Acorn Naturalists  
<http://www.acornnaturalists.com/#B-16059>  
 Jenkins. Red, blue, yellow, green, orange, purple, pink—how do the brilliant feathers, scales, shells, and skin of animals help them survive? Find out in this strikingly beautiful book how animals use color to warn predators, signal friends, attract mates, or hide from enemies. A perfect introduction to the world of camouflage as well as "flash" found in the animal world. Ages 7-10. Hardcover.
- Oddhopper Opera: A Bug's Garden of Verses** \$7-8  
 Amazon.com  
[http://www.amazon.com/Oddhopper-Opera-Bugs-Garden-Verses/dp/0152022058/ref=sr\\_1\\_1?s=b](http://www.amazon.com/Oddhopper-Opera-Bugs-Garden-Verses/dp/0152022058/ref=sr_1_1?s=b)  
 ISBN: 0152022058  
 by Kurt Cyrus, This collection of poems depict the web of life at ground-level in a vegetable garden. The poems highlight the activities of the insects and animals that live there. The strong artwork is clever and enriches the whimsical text that develops the concepts of biodiversity and interdependence.
- On the Same Day in March** \$5-6  
 Amazon.com  
<http://www.amazon.com>  
 ISBN0064435288  
 By Lessac, Frane (illustrator); Singer, Marilyn. Singer and Lessac embark on a meteorological trip around the globe, pointing out the drastically different weather conditions that can occur in various places, all on the same day. From the Arctic to the Texas Panhandle, Northern Kenya and all the way down to Antarctica, readers trek across both hemispheres, checking out snow, ice, fog, clouds, sun and heat. Singer's poetic language makes the voyage a particularly intriguing one, describing African rains that leave the gift of a river
- One Small Square: Arctic Tundra** \$9-10  
 Acorn Naturalists  
<http://www.acornnaturalists.com/store/ARCTIC-TUNDRA-One-Small-Square-Series-P619C0.aspx>  
 B-5952  
 by Silver, Wynne. Wonderful descriptions of a land where a winter night lasts three weeks and the ground is icy on the warmest day of the year. Contains illustrated field guide to common arctic plants and animals along with descriptions of behavioral adaptations, food chains, and survival strategies. Engaging reading for ages 6 to 10.
- Plant Profiles: Free Guide to Common Bay Area Native Plants** FREE  
 The Watershed Project  
<http://www.thewatershedproject.org>  
 Download off of website. Buckeye, Coyote Brush, Lupine.....These are just a few of California's most common native plants. Use this guide to find out more about these amazing species. And now you can identify the most invasive species that threaten their existence.

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| <b>Rainforest Babies</b>   | \$2-3   |
| Amazon.com   |         |
| <a href="http://www.amazon.com/Rain-Forest-Babies-Kathy-Darling/dp/0802775039/ref=sr_1_1?s=books&amp;">http://www.amazon.com/Rain-Forest-Babies-Kathy-Darling/dp/0802775039/ref=sr_1_1?s=books&amp;</a><br>ISBN: 0802775039<br>by Kathy Darling. Photographs and text describe Rainforest animals and their young.   |         |
| <b>Reason for a Flower, The</b>  | \$9-10  |
| Amazon.com   |         |
| <a href="http://www.amazon.com/Reason-Flower-Flowers-Pollen-Explore/dp/0698115597/ref=sr_1_1?s=bc">http://www.amazon.com/Reason-Flower-Flowers-Pollen-Explore/dp/0698115597/ref=sr_1_1?s=bc</a><br>ISBN: 0698115597<br>by Heller, Ruth. This poetic presentation tells about plant reproduction, manufacturing of seeds, and seed propagation. It also shows plants which don't seem to be flowers but are flowers. The text is supported by Heller's trademark full-color detailed illustrations that help explain the concepts presented. California author/illustrator.   |         |
| <b>Science Kids Animal Disguises</b>   | \$6-7   |
| Amazon.com   |         |
| <a href="http://www.amazon.com/Animal-Disguises-Science-Belinda-Weber/dp/0753461625/ref=sr_1_1?s=ISBN-10: 0753461625">http://www.amazon.com/Animal-Disguises-Science-Belinda-Weber/dp/0753461625/ref=sr_1_1?s=ISBN-10: 0753461625</a><br>Investigate the exciting world of animal camouflage. Discover how creatures blend in with their environment, mimicking leaves, stones, and flowers, playing tricks on their predators, and even changing shape.   |         |
| <b>Secret Place</b>  | \$5-6   |
| Amazon.com   |         |
| <a href="http://www.amazon.com/Secret-Place-Eve-Bunting/dp/0395643678/ref=sr_1_2?ie=UTF8&amp;qid=140">http://www.amazon.com/Secret-Place-Eve-Bunting/dp/0395643678/ref=sr_1_2?ie=UTF8&amp;qid=140</a><br>ISBN: 0395643678<br>by Eve Bunting, A young boy discovers a secret place in the city where a river flows and is hidden between two concrete walls. He decides to keep this place a secret because it attracts a variety of wild animals who come to nest and drink. The poetic text is complemented by lush paintings that contrast the gray city with the wild creatures. California author.   |         |
| <b>Seeds, Stems, And Stamens: The Way Plants Fit into Their World</b>  | \$20-25 |
| Amazon.com   |         |
| <a href="http://www.amazon.com/Seeds-Stems-Stamens-Plants-Their/dp/0761318747/ref=sr_1_1?s=books">http://www.amazon.com/Seeds-Stems-Stamens-Plants-Their/dp/0761318747/ref=sr_1_1?s=books</a><br>ISBN: 978-0761318743<br>by Susan E. Goodman ISBN-13: 978-0761318743 This book about the ways plants survive in their various habitats is both creative and inviting. The short chapters discuss fitting into the environment; getting sun, water, and food; inherent defenses; and propagating. Readers are encouraged to think about these topics by way of a series of questions. For example, the author states that through transpiration, "A tree can lose hundreds of gallons of water a day. With all that water going out, more needs to come |         |
| <b>Sing A Song of Science</b>  | \$15-20 |
| Amazon.com   |         |
| <a href="http://www.amazon.com/Sing-Song-Science-Kathleen-Carroll/dp/156976090X/ref=sr_1_2?s=book">http://www.amazon.com/Sing-Song-Science-Kathleen-Carroll/dp/156976090X/ref=sr_1_2?s=book</a><br>ISBN: 156976090X  |         |

by Kathleen Carroll. Sing A Song Of Science presents sixteen topics showcased in songs, raps, stories, and visualizations in the format of a 64-page activity manual and a 35-minute audiotope designed for use with elementary school grades K-6. Important subjects as matter and energy, weather, how the human body works, the story of George Washington Carver, tropical rain forests, etc. are presented with an easy-to-read overviews and combines an innovative approach with traditional methods of teaching to reinforce fundamental science facts. Each topic includes two sets of activities enabling students to construct their own understanding with hands-on kinesthetic discover activities. The students further expand their learning with activities to reinforce the vocabulary and concepts learned in the songs.

### **Stellaluna**

\$10-15

Amazon.com

[http://www.amazon.com/Stellaluna-Janell-Cannon/dp/0152802177/ref=sr\\_1\\_1?s=books&ie=UTF8](http://www.amazon.com/Stellaluna-Janell-Cannon/dp/0152802177/ref=sr_1_1?s=books&ie=UTF8)  
ISBN: 0152802177

by Jannell Cannon. After falling head first into a bird's nest, a baby bat is raised as a bird until she is reunited with her mother. The adaptations and survival of birds and bats in their respective habitats is explored. The colored-pencil-and-acrylic paintings are paired with small pen-and-ink drawings that show mother bat's search for her baby. California author/illustrator.

### **Tag Along with Twig**

FREE

The Forest Foundation

<http://www.calforestfoundation.org/>

Games, puzzles and activities in forest education: trees and cones, age and growth, forest products, wildlife habitat, and fire, insects and disease.

### **The Butterfly Alphabet Book**

\$7-8

Acorn Naturalists

<http://www.acornnaturalists.com/store/THE-BUTTERFLY-ALPHABET-BOOK-P4278C0.aspx#INV-13741>.

Pallota. Wonderful introduction to the wonder and beauty of butterflies. Look through the wings of transparent butterflies, marvel at the size of the Queen Alexandra Birdwing, and try to find the camouflaged Indian Leaf Butterfly! Learn about these amazing butterflies, and more, as you read from A to Z. Fun, informative reading combined with detailed and breathtaking illustrations.

### **The Care of Land Hermit Crabs**

\$3-4

Amazon.com

[http://www.amazon.com/Care-Hermit-Crabs-Herpetocultural-Library/dp/1882770501/ref=sr\\_1\\_2?s](http://www.amazon.com/Care-Hermit-Crabs-Herpetocultural-Library/dp/1882770501/ref=sr_1_2?s)

Specialized Care for Land Hermit Crabs.

### **The Gift of the Tree**

\$15-20

Amazon.com

<http://www.amazon.com/The-Gift-Tree-Alvin-Tresselt/dp/0688106846>

Tresselt. Describes the role of an oak tree in the cycle of nature, including the creatures that utilize the tree for food, shelter and raising young. Exquisite paintings and engaging text make this book a perfect choice for children ages 5-9.

**The Habitat Garden Book: Wildlife Landscaping for the San Francisco Bay R** \$15-20  
**The Watershed Project**

<http://www.thewatershedproject.org>

Use this guide to transform your own backyard, patio, or community site into a healthy home for a wondrous array of fascinating creatures. Offers easy-to-grow plants appropriate to the Bay Area climate. Published by Coyote Ridge Press. \$15

**The Salamander Room** \$10-15  
Amazon.com

[http://www.amazon.com/Salamander-Room-Dragonfly-Books/dp/0679861874/ref=sr\\_1\\_1?s=book:ISBN0679861874](http://www.amazon.com/Salamander-Room-Dragonfly-Books/dp/0679861874/ref=sr_1_1?s=book:ISBN0679861874)

By Johnson, Steve (illustrator); Mazer, Anne. Brian's determination to keep a salamander in his room is met with quizzical concern on the part of his mother--"Where will he sleep? . . . where will he play?" Inquiries are answered with imaginative solutions that will be familiar to all those who have tried to convince a parent to let them have a pet. Johnson's lush, shadowy paintings depict each addition to the cumulative scenario as Brian's cozy bedroom is gradually transformed into a dark green forest.

**The Tree in the Ancient Forest** \$7-8  
Amazon.com

[http://www.amazon.com/Tree-Ancient-Forest-Carol-Reed-Jones/dp/1883220319/ref=sr\\_1\\_1?s=bo](http://www.amazon.com/Tree-Ancient-Forest-Carol-Reed-Jones/dp/1883220319/ref=sr_1_1?s=bo)

by Carol Reed-Jones. A 300-year-old fir tree is the main character in a forest drama depicting the cycle of interdependence between plants and animals. The truffles that grow on the roots of the fir tree are food for the mice, who, in turn, are food for the owls living in the hollow of the tree that was created by a woodpecker, and so on. Reed-Jones' cumulative verse technique, which very effectively illustrates the ecological concept, will make this book a lively story-time or lap-share read-aloud as well as a good choice for choral reading. Canyon's superb double-page illustrations can be appreciated both as fine works of art and as detailed studies of forest flora and fauna.

**Tiny Workers- Ants in your Backyard** \$15-20  
Insect Lore

<http://www.insectlore.com>

1128

Ants, ants, ants! Brown ones. Black ones. Little ones. Big ones. There are more than 11,000 kinds of ants in the world! Climb down into the anthills and learn about these cool insects. Ants are known to be some of the hardest working insects in the animal kingdom. Learn all about them in this wonderful book.

**Under One Rock: Bugs, Slugs, and Other Ughs** \$8-9  
Amazon.com

[http://www.amazon.com/Under-One-Rock-Slugs-Other/dp/1584690275/ref=sr\\_1\\_1?s=books&ie=LISBN1584690275](http://www.amazon.com/Under-One-Rock-Slugs-Other/dp/1584690275/ref=sr_1_1?s=books&ie=LISBN1584690275)

By DiRubbio, Jennifer (illustrator); Fredericks, Anthony D. Have you ever peeked under a rock? A whole community of creatures lives there! One of the world's most fascinating habitats is right at your feet. No child will be able to resist looking under a rock after reading Fredericks's rhythmic, engaging story, and seeing DiRubbio's vivid close-up illustrations. Field Notes and Fantastic Facts will inspire endless exploration.

- What are Camouflage and Mimicry? (The Science of Living Things)** \$6-7  
 Amazon.com  
[http://www.amazon.com/Camouflage-Mimicry-Science-Living-Things/dp/0865059624/ref=sr\\_1\\_1?](http://www.amazon.com/Camouflage-Mimicry-Science-Living-Things/dp/0865059624/ref=sr_1_1?)  
 ISBN-10: 0865059624  
 In the animal world, the easiest way to avoid being eaten is to avoid being seen. What are Camouflage and Mimicry? examines animals that use unique colorization and patterns to avoid predators-or to sneak up on prey! Some are virtually impossible to see.
- What Color Is Camouflage? (Let's-Read-and-Find-Out Science, Stage 2)** \$9-10  
 Amazon.com  
[http://www.amazon.com/Color-Camouflage-Lets-Read---Find-Out-Science/dp/0064451607/ref=sr\\_](http://www.amazon.com/Color-Camouflage-Lets-Read---Find-Out-Science/dp/0064451607/ref=sr_)  
 ISBN-10: 0064451607  
 Otto says that camouflage is a kind of disguise, and Lloyd's detailed watercolor-and-ink illustrations show that disguise in action. You have to look closely to see the doe's spotted fawn crouched in the dappled thicket, the stick insect perched on a branch. Part of the Let's-Read-and-Find-Out Science series, this brings biology right into your own backyard ("look closely when you go outside") as it celebrates the wonder of what nature hides and reveals ("sticks seem to crawl, leaves can fly, and a stone ma
- What Lives in a Shell?** \$5-6  
 Amazon.com  
[http://www.amazon.com/Lives-Shell-Lets-Read---Find-Out-Science/dp/0064451240/ref=sr\\_1\\_1?s=](http://www.amazon.com/Lives-Shell-Lets-Read---Find-Out-Science/dp/0064451240/ref=sr_1_1?s=)  
 ISBN: 978-0064451246  
 What makes a shell like a house? A house is a home for you, a nest is a home for a bird, and a cave is a home for a bear. But for some animals a shell is a home. Snails and turtles and crabs and clams all have shells that act as their homes and protect them from harm. In this book you'll learn all about these and other crustaceous creatures, for whom a shell is just the right sort of home.
- Where Are The Night Animals?** \$4-5  
 Amazon.com  
[http://www.amazon.com/Where-Animals-Lets-Read---Find-Out-Science/dp/0064451763/ref=sr\\_1\\_](http://www.amazon.com/Where-Animals-Lets-Read---Find-Out-Science/dp/0064451763/ref=sr_1_)  
 ISBN0064451763  
 By Fraser, Mary Ann. Two useful series entries. Night Animals features colorful descriptions of familiar nocturnal creatures such as the skunk, raccoon, and bat. The terms "diurnal" and "nocturnal" are defined, and there are brief explanations of how and why some species have adapted to nighttime activity. The final pages tell where these animals sleep during the day and suggest activities for further discovery. Pfeffer begins with examples of sounds, such as finger snapping, and progresses to an explanatio
- Where in the Wild? Camouflaged Creatures Concealed and Revealed** \$15-20  
 Acorn Naturalists  
[http://www.acornnaturalists.com/store/WHERE-IN-THE-WILD-Camouflaged-Creatures-Concealed#B-16091.](http://www.acornnaturalists.com/store/WHERE-IN-THE-WILD-Camouflaged-Creatures-Concealed#B-16091)  
 Where in the Wild? Camouflaged Creatures Concealed and Revealed. Schwartz, Schy. Discover how a variety of species, from tree frogs to spiders, hide "in plain sight." Pages are folded—lifting the flap highlights the animal hidden in the photographic scene. Book simulates exploring in the wild — a fun, educational activity book for young children ages 5-9.Hardcover.

**Whose Bottom Is This?** \$6-7  
Amazon.com  
[http://www.amazon.com/Whose-Bottom-This-Whose-Animal/dp/1552850730/ref=sr\\_1\\_1?s=books](http://www.amazon.com/Whose-Bottom-This-Whose-Animal/dp/1552850730/ref=sr_1_1?s=books)  
ISBN1552850730  
By Lynch, Wayne. Fun and illustrative exchange of appearance variations among animals.

**Whose House Is This?** \$9-10  
Amazon.com  
[http://www.amazon.com/Whose-House-This-Name-Animal/dp/0836836413/ref=sr\\_1\\_2?ie=UTF8&](http://www.amazon.com/Whose-House-This-Name-Animal/dp/0836836413/ref=sr_1_2?ie=UTF8&)  
ISBN1551108615  
By Lynch, Wayne. This book introduces children to birds, animals, and reptiles from around the world: polar bears, otters, cobras, parrots, and more! Each chapter begins with a photograph of the animal's home and a question: Who lives here? Children then flip the page to discover a picture of the animal and a collection of amazing facts.

**Whose Teeth Are These?** \$6-7  
Amazon.com  
<http://www.amazon.com>  
ISBN1552852040  
By Lynch, Wayne. Observe appearance of animals in the illustrative and photogrpahic book.

**Wild In The City** \$6-7  
Amazon.com  
ISBN1895688728  
ISBN1895688728  
By Thornhill, Jan. For children, it is exciting to realize that wild animals live around their urban/suburban houses and yards. This phenomenon is accurately and attractively portrayed in Thornhill's dramatic double-page spreads shown from the creatures' points of view. Whether depicting a soaring kestrel or a squatting toad, the drawings and informative, lively text flow smoothly to connect one event to the next.

## Kits & Modules

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**“Wild About Wetlands” (WOW) Resource Kits** FREE  
Mt. View Sanitary District  
<http://www.mvdsd.org/programs/environmental-education/>

For Contra Costa County Schools. These fun and interactive kits provide 3rd through 6th grade teachers with a thematic environmental education program that includes easy-to-use activities and all necessary materials. The kits serve as a complete unit, as a supplement to an existing unit, or as a pre-/post- field trip lesson plan. The convenience of the kits makes them extremely useful to those with limited budgets and preparation time.

Materials in the WOW kit include: videos, puzzles, flash cards, artifacts, wetland models, photographs, animal skulls and feet and much more. The program consists of 15 activities divided into three sections – 1) “What is a Wetland”, 2) “Wetland Organisms Great and Small”, and 3) “Restoring Wetlands”. The final section includes opportunities for students to become involved in community restoration and education projects. There is no fee for the use of the kits which are loaned out to an individual classroom for a three- week period.

For more information or to reserve your kit, contact District Biologist Kelly Davidson at 228-5635 x19 or [kdavidson@mvdsd.org](mailto:kdavidson@mvdsd.org).

## **Animal Tooth Casts- 9 Replicas plus Activity Guide**

\$90-100

Acorn Naturalists

<http://www.acornnaturalists.com/store/ANIMAL-TOOTH-CASTS-complete-set-of-nine-replicas-plus-#R-5278>

Includes alligator tooth, coyote mandible, beaver mandible, African lion maxilla, hippopotamus tooth, mountain gorilla maxilla, baboon mandible, human maxilla, grizzly mandible plus activity booklet. Made from durable PerfectCast® material. Each is actual size (2"-5" long, depending on species). Note: tooth casts are also sold individually without activity guide). Acorn Naturalists also carries a wide array of other teeth. Complete kit with all nine tooth replicas.

## **Birds Nature Kits**

\$25-30

Wildcare

[http://www.wildcarebayarea.org/site/PageServer?pagename=NatureEducation\\_Programs\\_Nature1](http://www.wildcarebayarea.org/site/PageServer?pagename=NatureEducation_Programs_Nature1)

2 week rental. Nature Kits contain: a taxidermied animal in a life-like pose, information cards with important facts about the animal, facsimile ceramic bird eggs for students to handle in bird kits, ideas for integrated, thematic experiences, and a poster. Choose from: Acorn Woodpecker, Barn Owl, Brewer's Blackbird, Brown Pelican, Cedar Waxwing, Coot, Common Murre, Cormorant, Crow, Great Blue Heron, Great Horned Owl, Gull, Kingfisher, Mallard, Meadowlark, Quail, Red-winged Blackbird, Robin, Ruddy Duck, Scrub Jay, Starling, Turkey Vulture, western grebe.

## **Butterfly and Moths Nature Kits**

\$25-30

Wildcare

[http://www.wildcarebayarea.org/site/PageServer?pagename=NatureEducation\\_Programs\\_Nature1](http://www.wildcarebayarea.org/site/PageServer?pagename=NatureEducation_Programs_Nature1)

2 week rental. Nature Kits contain: a taxidermied animal in a life-like pose, information cards with important facts about the animals.

## **Creek and Pond Life Activity Kit**

\$35-40

Acorn Naturalists

<http://www.acornnaturalists.com/#KIT-03>.

Acorn Naturalists. This unique activity kit is popular with young naturalists, environmental educators and parents who have access to a pond or stream. This kit was originally designed for the western states, but its versatility makes it easily adapted to any aquatic environment. Search for whirligig beetles, dragonflies, toe-biters, water striders, and backswimmers! Includes activity cards, three petri dishes, dip net, plant press, magnifier, plankton syringe, magnifying observation box and a field guide to pond life. Kit also includes a reply card for a free Aquatic Naturalist certificate of achievement.

## **Mammals Nature Kits**

\$25-30

Wildcare

[http://www.wildcarebayarea.org/site/PageServer?pagename=NatureEducation\\_Programs\\_Nature1](http://www.wildcarebayarea.org/site/PageServer?pagename=NatureEducation_Programs_Nature1)

2 week rental. Nature Kits contain: a taxidermied animal in a life-like pose, information cards with important facts about the animal, facsimile ceramic bird eggs for students to handle in bird kits, ideas for integrated, thematic experiences, and a poster. Choose from: Badger, Beaver, Bobcat, Coyote, Deer, Fox, Harbor Seal, Mountain lion, Muskrat, Opossum, Porcupine, Rabbit, Raccoon, Sea lion, Skunk, Western Gray Squirrel.

## **Natural History-To-Go**

Lindsay Wildlife Experience

<http://www.wildlife-museum.org>

\$8-9

The museum's excellent collection of furs, feathers, nests, bones, shells, minerals, mounts and other natural history materials is available to teachers for classroom use at low fees. You can call Marti and she can help you determine the best kits that can be used for what you want to teach.

## **Owl Pellets and Beyond**

California Academy of Sciences

<http://www.calacademy.org/teachers/erk.php>

\$15-20

Owl pellet dissections are universally appealing to students. This predator/prey discovery experience is better than any wildlife video, with each child finding the skeletal remains of a real animal - most likely a rodent or insectivore. This kit includes everything needed for each student to perform an owl pellet dissection and identify the prey based on skull characteristics. Additional resources in the kit include: a tri-fold poster display of prey specimens, two videos on the natural history of owls, one mounted owl specimen, several books, and a new educational board game.

Lending Fee: \$20 - Loan period: 3 weeks

Kit Reservations: Advance reservation required. Call (877) 227-3311

## **Rainforests of the World**

California Academy of Sciences

<http://www.calacademy.org/teachers/erk.php>

\$15-20

Share the discovery of the lush tropical forests of Borneo, Madagascar, Costa Rica, and the Amazon with your students. Teach your students a song about jungle layers one day, then have students measure the rate of water evaporation in the tiny world of a bromeliad the next. The kit also includes a camouflage activity, a 7-foot tall rainforest layers poster, a real soil corer for taking a soil core sample in the schoolyard, beetle and butterfly specimens, books, and more!

Lending Fee: \$20 - Loan period: 3 weeks

Kit Reservations: Advance reservation required. Call (877) 227-3311

## **Reading Rainbow: The Salamander Room Family Literacy Kit - DVD**

GPN Educational Media

<http://shopgpn.com/>

\$60-70

Family Literacy Kit Contents

1 nylon backpack

1 30-minute DVD of The Salamander Room

1 feature book - The Salamander Room

1 laminated Family Activity Sheet

Episode Description: A young boy finds a salamander and thinks of the many things he can do to make a perfect home for it. Viewers learn that there is more to creating an animal habitat than meets the eye as LeVar explores Jungle World, a rain forest environment created at the Bronx Zoo in New York, and they learn about scientists who use a treetop raft as a lab to study the rain forest ecosystem.

**Specialized Nature Kits** \$25-30  
Wildcare

[http://www.wildcarebayarea.org/site/PageServer?pagename=NatureEducation\\_Programs\\_NatureI](http://www.wildcarebayarea.org/site/PageServer?pagename=NatureEducation_Programs_NatureI)

2 or 3 week rental. Nature Kits contain: a taxidermied animal in a life-like pose, information cards with important facts about the animal, facsimile ceramic bird eggs for students to handle in bird kits, ideas for integrated, thematic experiences, and a poster. Choose from: Animal Footprints, Indian Uses of Native Plants, Beaks and Feet Comparative Kit, Butterflies, Water Cycle Puppets.

**Teacher's Pet Kit** \$25-30  
Delta Education

<http://www.delta-education.com/>  
200-6256

The portable teacher's pet is a 1/17-gallon aquarium/terrarium with a ventilated lid. All set-up materials and a guide will allow students to enjoy observing goldfish, hermit crab, or chameleon.

**Terrarium Explorations Mini Kit** \$15-20  
Delta Education

<http://www.delta-education.com/>  
110-5125

Observe the interaction and interdependence of biotic (living) and abiotic (non-living) elements in the terrarium. Includes materials and a step-by-step teacher's guide with background information and ideas for further exploration.

**Tropical Rainforests: The Web of Life** FREE  
Folk Art International Resources for Education

<http://www.folkartintl.com>

Learn about the everyday life of the Yanomami and their tropical home in Amazonia. Discover the biodiversity of the rainforest and learn how to protect this endangered habitat through letter writing, recycling and fundraising. Highlights of Content: Animal Badges, Rainsticks and Blowguns, Manioc Squeezers, Tapes, Photographs and Slides.

## Posters/Pictures/Slides

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**African Rainforest Poster** \$7-8  
Einstein's Emporium

<http://www.einsteins-emporium.com>

The rainforests are essential to our survival as they produce most of the oxygen we breathe. Poster features a wonderful true-to-life illustration of that particular rainforest environment, complete with many species of plants and animals. This is accompanied by informative text, charts, maps and other information. 23.25" x 36.25" size and have special glow-in-the-dark ink to enhance your enjoyment of them at night.

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|---|---------|
| <p><b>Bats of the Western Forest</b><br/> Bat Conservation International<br/> <a href="http://www.batcon.org">http://www.batcon.org</a><br/> P-8<br/> A full color poster illustrated by David Chapman illustrating bats found in the Western forests of the United States. Size is 36" x 24".</p>  | \$6-7   |
| <p><b>Bats Poster</b><br/> Bat Conservation International<br/> <a href="http://www.batcon.org">http://www.batcon.org</a><br/> P-3<br/> This 27" x 39" poster has color illustrations of 38 species from around the world. Text includes each species' scientific name, with common name in English. Some species' common names are also in Italian and French.</p>  | \$7-8   |
| <p><b>Biodiversity: From Sea to Shining Sea</b><br/> Acorn Naturalists<br/> <a href="http://www.acornnaturalists.com/store/BIODIVERSITY-from-Sea-to-Shining-Sea-Poster-P102C0.a#PO-5665">http://www.acornnaturalists.com/store/BIODIVERSITY-from-Sea-to-Shining-Sea-Poster-P102C0.a#PO-5665</a><br/> Kit includes two diversity postes: biomes of North America and Window on the Wild. Also contains an informative, twelve page educator's guide.</p> | \$5-6   |
| <p><b>Bone ID Chart</b><br/> Genesis Inc<br/> <a href="http://www.pellet.com">http://www.pellet.com</a><br/> BIC<br/> A fantastic addition to the classroom to aid in the bone identification during your owl pellet dissection. Each Poster (26" x 18") is printed on a heavy low-gloss paper and contains the primary skeletal features of rodents, shrews, moles, and birds.</p>   | \$3-4   |
| <p><b>Exploring Environments posters</b><br/> AIMS Education Foundation<br/> <a href="http://www.aimsedu.org/item/1635/exploring-environments-posters-set-of-8/1.html">http://www.aimsedu.org/item/1635/exploring-environments-posters-set-of-8/1.html</a><br/> 1635<br/> A set of eight posters, each depicting a different type of environment. For use with Exploring Environments</p>   | \$15-20 |
| <p><b>FREE posters on the forest ecosystem</b><br/> California Forest Products Commission<br/> <a href="http://www.calforests.org/subcategories/available_material.html#">http://www.calforests.org/subcategories/available_material.html#</a><br/> several posters that you can downlaod or order for free - Carbon Cycle, Trees of California, Guide to Ca Wildlife on Wildlands and Forests, The Forest Cycle, bookmarkkss and more.</p>             | FREE    |
| <p><b>Fresh Fruit and Vegetable Photo Cards</b><br/> California Healthy Kids Resource Center<br/> <a href="http://www.hkresources.org">http://www.hkresources.org</a><br/> #6890<br/> PreK-12. This collection of photo cards includes 100 photographs of different fruits and vegetables. Each card lists the Spanish and English name, nutritional and geographic information.</p>  | FREE    |

**Leaf Collection** \$25-30  
Acorn Naturalists  
<http://www.acornnaturalists.com/store/LEAF-COLLECTION--P699C0.aspx>  
KIT-8299  
Starter collection of 12 real leaves mounted on a 12" x 16" poster board, enclosed in a clear, sturdy vinyl envelope. Each major leaf type and shape is represented. Each specimen is identified with common and botanical names along with botanical information. Explore how leaf shape helps a plant meet its needs. Perfect addition to botany resource tables or for individual review. Perfect for students in grades K-12.

**Survival by Camouflage (Microslide set)** \$10-15  
Acorn Naturalists  
<http://www.acornnaturalists.com/>  
#T-8180.  
Survival by Camouflage (Microslide set). Features caterpillar larvae on orchid, mites on plant, walking sticks, moth on bark, tree frogs on bark, viper snake in leaves, moth with leaves, katydid nymph on leaf.

**The Most Common Trees in California Forests** FREE  
The Forest Foundation  
<http://www.calforests.org/foundation>  
This poster graphically portrays the four most common trees in California forests, their different physical structures, and describes the attributes and uses of each.

## Specimen

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**Ant Hill - Living Ant Habitats** \$15-20  
Insect Lore  
<http://www.insectlore.com>  
551  
Just mail the certificate in the kit and soon you'll receive a generous supply of live ants, ready to dig in. Watch as these hard-working critters burrow underground to create an amazing network of subterranean tunnels, walkways and secret chambers.

The AntHill's unique "cross-cut" design features an oversized tunneling chamber for easy observation and a wide base that makes tipping over virtually impossible.

Features a realistic double-sided viewing area, wide base for super stability, escape-proof I

**Ant Hill Refill** \$7-8  
Insect Lore  
<http://www.insectlore.com>  
550

AntHill Refill Use this live ant pack to start your Anthill all over again!

This kit contains a generous supply of fresh tunnelling sand, pre-paid certificate for approximately 25 healthy red Harvester ants, and instructions.

This Anthill refill can also be used to renew Ant Farm brand kits. Ant certificate must be mailed to receive your live ants. Insect Lore does not have ants at our facility and cannot mail them with your order.

Shipment of ants to destinations within the Continental USA and Canada only. Allow 2 to 3 weeks for live ant delivery.

### **Beaver Mandible Replica**

\$9-10

Acorn Naturalists

<http://www.acornnaturalists.com/store/BEAVER-MANDIBLE-REPLICA-P1707C0.aspx>

R-5080

Also includes the beaver teeth within the mandible. Acorn Naturalists also carries a wide array of other teeth.

### **Great White Shark Tooth Replica**

\$8-9

Acorn Naturalists

<http://www.acornnaturalists.com/store/GREAT-WHITE-SHARK-TOOTH-REPLICA-P1698C0.aspx>

R-8146

Carcharodon carcharias, otherwise known as the great white shark, can weigh up to 7000 pounds. With 5 rows of 46 teeth (230 total) they are formidable predators. This pearly white Bone Clone® 2-1/2" replica is virtually indistinguishable from the real thing. Acorn Naturalists also carries a wide array of other teeth.

### **Ladybird beetles**

\$7-8

Insect Lore

Local garden stores also sell ladybugs in the spring and summer

<http://www.insectlore.com>

800

Imagine - 75 to 100 live ladybugs for Ladybug Lodge or garden!

Use these beneficial insects as a refill for your Ladybug Lodge, put them in a Ladybug Village, or release them into your garden to weed out aphids and other pests.

Shipped as adults, they will live 2 to 3 weeks. Shipment of ladybugs available within the continental U.S. only. Also, please note that if temperatures are above 90 degrees F in your area, shipment of your ladybugs may be delayed to ensure that they arrive healthy and happy.

### **Mealworm Culture Kit**

\$45-50

Insect Lore

<http://www.insectlore.com>

2394

Mealworms are the larvae of the Darkling beetle. Feed them bran meal, or other cereals, and watch them during their amazing metamorphosis from egg to larvae to pupae to adult. Mealworms make ideal food for lizards, salamanders, turtles, frogs and other pets, too. Kit contains enough adult Darkling beetles to start a large culture, Culturing pan, medium for rearing larvae, and detailed instructions.

## **Smilodon Tooth Replica**

\$20-25

Acorn Naturalists

<http://www.acornnaturalists.com/>

R-7150

Detailed replica cast from a museum specimen. Virtually indistinguishable from actual specimens. Cast in durable PerfectCast®. Acorn Naturalists also carries a wide array of other teeth.

## **Sperm Whale Tooth Replica**

\$35-40

Acorn Naturalists

<http://www.acornnaturalists.com/store/WHALE-TOOTH-REPLICA-SPERM-P1699C0.aspx>

R-8147

The giant sperm whale, *Physeter catodon*, can reach lengths of 60 feet. The teeth of this marine giant are equally impressive, occurring only in the lower jaw. Finished to replicate natural colors, this 8" museum quality Bone Clone® replica is cast using durable resins and finished to look identical to the specimen from which it was cast. Acorn Naturalists also carries a wide array of other teeth.

## Stickers/Games

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### **Puma Activity Book**

FREE

Felidae Conservation Fund

Available free online pdf.

[http://www.felidaefund.org/pdf/activity\\_book.pdf](http://www.felidaefund.org/pdf/activity_book.pdf)

The Bay Area Puma Project (BAPP) is the first large scale research, education and conservation program for pumas in and around the San Francisco Bay Area. BAPP's primary goal is to increase knowledge, understanding and awareness about Bay Area puma populations, in order to promote better co-existence and less conflict between humans and pumas in the region, and ultimately to help foster a more harmonious relationship between humans and the natural world.  
<http://www.bapp.org/objectives>

## Teacher Guide/Reference/Curriculum

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### **A Guide to California's Wildlife on Private Forest Lands**

FREE

The Forest Foundation

<http://www.calforests.org/foundation>

California features amazingly diverse wildlife populations, but how do animals choose where to live? Throughout history, events like fire, landslides, earthquakes, windstorms, volcanic eruptions, climate changes and disease have led to dramatic changes in the forest landscape and profoundly effected wildlife. For at least 10,000 years, Native Americans have managed the land to provide hunting grounds, shelter and grow grasses for basket making.

Online: A Guide To California's Wildlife On Private Forestlands. Downloadable activities and lessons for use with Wildlife Book

Activity Sheet-True Tales

Activity Sheet-Cafe Menu

Curriculum Unit-Wildlife Book

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|---|---|
| <p><b>Access Nature</b><br/>National Wildlife Federation<br/><i>http://www.nwf.org</i><br/>Item #NWFNL5</p>   | <p>\$35-40</p>  |
| <p>An inclusive curriculum for grades K-8 offering more than 60 hours of hands-on, habitat-based activities. Access Nature can be enjoyed by all audiences, including students with disabilities. Finally, educators can meet the diverse needs of today's classroom with activities that include adaptations for students with hearing, learning/cognitive, motor or visual disabilities.</p>  |   |
| <p><b>Ant Homes Under the Ground - GEMS guide</b><br/>Lawrence Hall of Science<br/><i>lawrencehallofscience.org</i></p>   | <p>\$15-20<br/>Lawrence Hall of<br/>Science.<br/>Www.lhs.berkeley.edu</p> |
| <p>Students learn about ant body structure, jobs, and homes by observing ants in nature and in an ant farm during this 5-activity unit. They role play ants following a scent trail and dragging food through a tunnel-like structure. A large 6-part ant nest poster, included with the guide, is assembled in stages throughout the unit. "Fill the Hill" and other main activities are rich in mathematics learning. Children develop language abilities as they share experiences and observations, and create their own ant st</p>   |   |
| <p><b>DIG IN!</b><br/>Acorn Naturalists</p>   | <p>\$20-25</p>  |
| <p><i>http://www.acornnaturalists.com/store/DIG-IN-Hands-On-Soil-Investigations-P2102C0.aspx</i><br/>#B-10064.<br/>Hands-On Soil Investigations. Natural Resources Conservation Service. This activity book will have kids in grades K-4 up to their elbows in the study of soil formation, habitats, soil animals, land use and soil conservation. Includes teacher-tested lesson plans, assessment methods and suggestions for further study. Integrates science with art, geography, language arts, math and social studies. Perfect introduction to soil study for young children who usually need little encouragement to go play in the soil.</p> |   |
| <p><b>Educator's Activity Book about Bats</b><br/>Bat Conservation International</p>  | <p>\$10-15</p>  |
| <p><i>http://www.batcon.org</i><br/>B-19<br/>1991, 62 p. Eighteen games, crafts, and other activities in this BCI guide for teachers. In-depth background information on bat myths, anatomy and scientific classification, plus a 30-word glossary. Nonfiction softcover.</p>   |   |
| <p><b>EI Litoral Rocosó (MARE)</b><br/>Lawrence Hall of Science</p>   | <p>\$60-70</p>  |
| <p><i>lawrencehallofscience.org</i><br/>MAR110SPANISH<br/>Spanish Version of Rocky Seashore. Turn your classroom into an interdisciplinary laboratory for the study of the rocky seashore. This guide contains 14 hands-on activities covering earth, physical, biological and environmental sciences, in addition to children's literature connections, a directory of marine science resources and information on how to plan a whole-school Ocean Week. All activities are designed to promote language development and science literacy among language minority students.</p>   |   |

- Exploring Environments** \$30-35  
 AIMS Education Foundation  
<http://www.aimsedu.org/item/4020/exploring-environments-package/1.html>  
 4020  
 Exploring Environments takes students on expeditions to eight different environments. Eight full color scenery posters (17 x 22) are provided. Sample plants and animals along with background information are given so that students can examine the interactions between living things and see how they meet their needs. Teaching tips are given for grade level spans K-2, 3-4, and 5-6. To complete the Exploring Enviroments activities, both the book and the posters are needed. Additional copies of the activity book and poster set may be purchased separately.
- From Snake Skins to Bird Beaks: Animal Adaptations** \$4-5  
 Acorn Naturalists  
<http://www.acornnaturalists.com/#B-13081>  
 From Snake Skins to Bird Beaks: Animal Adaptations. Androskaut, Editor. This booklet contains a series of fun, field-tested and thoroughly engaging activities for teachers, interpreters, and outdoor educators. Some of the creative ideas include a fun "perch challenge" for children in the crowd who think they can perch like a bird, pond adaptation game using simple costumes, activities involving camouflage, predators, birds and beaks, raccoons, migration madness and more. Creative ideas abound here!
- GEMS Terrarium Habitats** \$10-15  
 Lawrence Hall of Science  
[lawrencehallofscience.org](http://lawrencehallofscience.org)  
 0-924886-51-X  
 K-6. Five activities, 92 pages. These life science activities bring the natural world into your classroom and deepen children's understanding of and connection to all living things. Students investigate soil, design, and populate terrariums, and observe and record changes over time.
- Guide to Marine Science Field Trips (MARE)** \$10-15  
 Lawrence Hall of Science  
[lawrencehallofscience.org](http://lawrencehallofscience.org)  
 MAR120  
 68 pgs. A vital part of learning is hands-on and experiential. This guide is designed to lead you and your students through educational experiences that will last a lifetime. There are hundreds of entrances into the wild world that surrounds us; don't wait for nature to come to you and your students. This guide contains all the information you need to plan an academic field trip, including checklists, maps, cost and the programs and facilities available at each site. Detailed descriptions of 23 sites describe what to do in the classroom before and what to focus on once you get there, including possible themes from the Science Framework and key concepts. Thirty-five other sites are described in shorter detail. The guide also includes general field trip activities, and two indices to cross-reference habitats and geographical regions with the sites.
- It Must Be a Bird + Big Book** \$20-25  
 AIMS Education Foundation  
<http://www.aimsedu.org/item/1191/it-must-be-a-bird-plus-big-book-pre-k-2/1.html>  
 1191  
 6 sections—216 pages This collection of highly active and engaging experiences helps young children learn about the processes of science by studying feathers, beaks, feet, eggs, and nests. The It Must Be Bird Big Book, a large format book containing illustrations of various bird species, is included free of charge!

**Junior Master Gardener: Golden Ray Series--Wildlife Gardener** \$30-35  
Texas Cooperative Extension

<http://tce.tamu.edu/>  
B-6167

The National Wildlife Federation and the Junior Master Gardener program have joined forces to create an engaging learning opportunity for children. This curriculum will help children learn about the habitat needs of wildlife and develop a greater appreciation for the environment. The program culminates in a community service project, as the students develop a site recognized by the NWF as a Certified Schoolyard Habitat. (230 pp.)

By: Randy Seagraves, Lisa Whittlesey, Michelle Meche, Cynthia Klemmer

**Ladybug! Ladybug! preK-3rd idea book** \$15-20  
Insect Lore

<http://www.insectlore.com>  
237

The month-long unit features science, math and language activities, crafts, poems, plays, games, mini-books, puppets, art, and just plain fun ideas for the classroom - 28 different sections in all. You'll love the 'springtime' decorative effects throughout.

**Ladybugs - GEMS Unit** \$10-15  
Insect Lore

<http://www.insectlore.com>  
1501

This integrated Teacher's Guide makes teaching easy! Students learn about ladybug body structure, life cycle, defensive behavior, and foods. Math is an integral part of the unit, as is role playing. Contains full-color mini-posters, ready-to-color large posters, reproducibles.

Lawrence Hall of  
Science.  
[Www.lhs.berkeley.edu](http://www.lhs.berkeley.edu)

**More Parkland Discoveries** \$10-15  
Tilden Nature Area-Tilden Regional Park

<http://www.ebparks.org>

A companion to Parkland Discoveries. Combining articles and activities, this collection is site specific with activities for use during a field trip or back in the classroom as a follow up lesson. Comes in its own 3-ring binder.

Available at all of the  
East Bay Parks  
interpretive centers  
(Ardenwood, Coyote  
Hills, Sunol, Black  
Diamond Mines, Crab  
Cove, and Tilden), or  
can be ordered  
through the mail.

**Parkland Discoveries** \$4-5  
Tilden Nature Area-Tilden Regional Park

<http://www.ebparks.org>

A collection of informative articles describing aspects of history and natural life in the East Bay. This award winning resource is designed to give teachers and others background information in preparation for study and/or field trips to East Bay Regional Parks.

Available at all of the  
East Bay Parks  
interpretive centers  
(Ardenwood, Coyote  
Hills, Sunol, Black  
Diamond Mines, Crab  
Cove, and Tilden), or  
can be ordered  
through the mail.

**Teacher's Guide to Open Ocean (MARE)** \$60-70  
Lawrence Hall of Science  
*lawrencehallofscience.org*  
MAR4  
Turn your classroom into an interdisciplinary laboratory for the study of the rocky seashore or visit the hidden world of the sandy beach without leaving your classroom. MARE teacher curriculum guides are packed with hands-on activities covering earth, physical, biological and environmental sciences, plus children's literature connections and information on how to plan a whole-school Ocean Week. All activities are designed to promote science literacy and language development among English Language Learners.

**Teacher's Guide to Ponds (MARE)** \$60-70  
Lawrence Hall of Science  
*lawrencehallofscience.org*  
MAR2  
Turn your classroom into an interdisciplinary laboratory for the study of the rocky seashore or visit the hidden world of the sandy beach without leaving your classroom. MARE teacher curriculum guides are packed with hands-on activities covering earth, physical, biological and environmental sciences, plus children's literature connections and information on how to plan a whole-school Ocean Week. All activities are designed to promote science literacy and language development among English Language Learners.

**Teacher's Guide to Wetlands (MARE)** \$60-70  
Lawrence Hall of Science  
*lawrencehallofscience.org*  
MAR3  
Turn your classroom into an interdisciplinary laboratory for the study of the rocky seashore or visit the hidden world of the sandy beach without leaving your classroom. MARE teacher curriculum guides are packed with hands-on activities covering earth, physical, biological and environmental sciences, plus children's literature connections and information on how to plan a whole-school Ocean Week. All activities are designed to promote science literacy and language development among English Language Learners.

**WOW! The Wonders of Wetlands** \$20-25  
Water Education Foundation  
*http://www.water-ed.org*  
Part# 5170 -  
WOW! The Wonders of Wetlands For grades K-12, this 330-page guide features 70 pages of background material followed by more than 40 cross-referenced activities. Each page is thoughtfully laid out with core text, great photographs, side bars, maps, and illustrations to make information clear and quick to use. Activities are organized into five sections: wetlands definitions, wetlands plants and animals, water quality and supply issues, soils, and people. The appendix offers instructions for planning and developing a schoolyard wetland habitat. Published by The Watercourse.

## Tools/Equipment

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**Delta Terraria** \$4-5  
Delta Education  
<http://www.delta-education.com/>  
033-6836  
Assemble several terraria in the classroom. These plastic transparent containers are provided with lids with holes. 6-Liter, 12" x 7".

**Dinosaur Globe** \$3-4  
Math Science Nucleus  
<http://www.ms-nucleus.org>  
MSN-022  
Vinyl inflatable globe that shows where the bones of specific dinosaurs are found. Helps show students that dinosaurs, like animals today, lived in different parts of the globe.

## Video

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**Ana in the Rainforest** \$50-60  
Bullfrog Films  
<http://www.bullfrogfilms.com>  
1-56029-455-8  
\$59 to purchase \$20 to rent. 11 min, Grades K-4. For a class report on the rainforest, Ana had hoped to exhibit her pet iguana, Lizzie. The plan is upset when Lizzie gets sick. In an animated dream, Ana takes an imaginary journey to a tropical rainforest where she finds a cure for her sick iguana. While there she learns about the rainforest- its beauty and complex life cycle. Ana also learns about the dangers the forest faces and wakes up determined to help save the forests.

**Backyard Safari - full series** \$400-500  
GPN Educational Media  
<http://shopgpn.com/>  
Product Code: 686.0000V  
Backyard Safari is an engaging series of 13 half-hour programs that introduce four-to seven-year olds to topics in science and natural history. The primary goal of the series is to excite children, particularly those in under-served audiences, such as girls and children of color, to investigate the natural world and develop positive connections with scientific practice. A complementary goal is to help empower all children to see themselves as "scientists" who can turn off the television, step outside, and learn directly from the world around them.

**Backyard Safari: Birds** \$35-40  
GPN Educational Media  
<http://shopgpn.com/>  
Product Code: 686.0002V

Backyard Safari is an engaging series of 13 half-hour programs that introduce four-to seven-year olds to topics in science and natural history. The primary goal of the series is to excite children, particularly those in under-served audiences, such as girls and children of color, to investigate the natural world and develop positive connections with scientific practice. A complementary goal is to help empower all children to see themselves as “scientists” who can turn off the television, step outside, and learn directly from the world around them.

By examining birds, your students will see how wildlife adapts to the environment:

- How birds’ bodies are suited to their climat and habitat.
- What variety of foods birds eat.
- How to identify birds by their appearance and calls.

### **Backyard Safari: Color**

GPN Educational Media

\$35-40

<http://shopgpn.com/>

Backyard Safari is an engaging series of 13 half-hour programs that introduce four-to seven-year olds to topics in science and natural history. The primary goal of the series is to excite children, particularly those in under-served audiences, such as girls and children of color, to investigate the natural world and develop positive connections with scientific practice. A complementary goal is to help empower all children to see themselves as “scientists” who can turn off the television, step outside, and learn directly from the world around them.

Your young people will see how color sends many different messages in nature:

How animals, plants, and insects use color to hide, attract, or ward off others.

- Why male and female animals have different types of coloring.
- How some animals change color to blend into their surroundings.

### **Backyard Safari: Dinner Tools**

GPN Educational Media

\$35-40

<http://shopgpn.com/>

Product Code: 686.0006V

Backyard Safari is an engaging series of 13 half-hour programs that introduce four-to seven-year olds to topics in science and natural history. The primary goal of the series is to excite children, particularly those in under-served audiences, such as girls and children of color, to investigate the natural world and develop positive connections with scientific practice. A complementary goal is to help empower all children to see themselves as “scientists” who can turn off the television, step outside, and learn directly from the world around them.

It’s time to dine at the Backyard Safari! Your students will learn:

- How animals use their beaks, tongues, and teeth as tools.
- How tongues differ among animals depending on what they eat.
- What types of foods animals eat.

### **Backyard Safari: Water**

GPN Educational Media

\$35-40

<http://shopgpn.com/>

686.012

30 min. Why is water so important to life? After this video your students will understand: How animals and plants obtain and use water. How water is made and the different forms of water. What types of animals live in water. Backyard Safari is an engaging series of 13 half-hour programs that introduce four-to seven-year olds to topics in science and natural history. The primary goal of the series is to excite children, particularly those in under-served audiences, such as girls and children of color, to investigate the natural world and develop positive connections with scientific practice. A complementary goal is to help empower all children to see themselves as "scientists" who can turn off the television, step outside, and learn directly from the world around them.

### **Banana Zoo: Endangered Species**

\$5-6

Amazon.com

[http://www.amazon.com/Banana-Zoo-Endangered-Species-VHS/dp/1575234475/ref=sr\\_1\\_1?ie=L](http://www.amazon.com/Banana-Zoo-Endangered-Species-VHS/dp/1575234475/ref=sr_1_1?ie=L)

Banana Zoo" features colorful animated characters and puppets that entertain children and educate them about the marvels of the Animal Kingdom. Young viewers will sing, dance and laugh -- and learn much about our planet's wonderful animals! Tune in and meet Banana, your animated chimpanzee buddy and host for the show. Enjoy "Banana News," which brings you up close with an exciting new animal. Follow along with Banana's puppet friends as they take you on fun wild animal adventures around the globe! Join Banana and his friends as they take a close look at an important topic -- the possible extinction of beautiful animals. VHS tape.

### **Bill Nye: Animal Locomotion**

\$35-40

Disney Education Products

<http://www.edustation.disney.com>

68C40VL00

Bill checks out a millipede who walks by coordinating the movement of its 200 feet, and other creatures who move around without a leg to stand on! Generally videos are paced for older students and can help reinforce "why" of science concepts is fun in format. Some 1st grade matches are noted if desired.

Some titles available at public libraries. Berkeley school teachers can borrow from the Central Media

### **Bill Nye: Birds**

\$35-40

Disney Education Products

<http://www.edustation.disney.com>

68C07VL00

How our feathery friends stay airborne, where they live and what they eat. Generally videos are paced for older students and can help reinforce "why" of science concepts is fun in format. Some 1st grade matches are noted if desired.

Can borrow from the Alameda County Office of Education, some titles available at public libraries. Berkeley school teachers can borrow from the Central Media Library at Berkeley High School.

### **Bill Nye: Caves**

\$35-40

Disney Education Products

<http://www.edustation.disney.com>

68E52VL00

Explore an array of natural adaptations in the bizarre world of caves!

Some titles available at public libraries. Berkeley school teachers can borrow from the Central Media

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| <p><b>Bill Nye: Ocean Life DVD</b><br/>Disney Education Products</p>   | <p>\$45-50</p>   |
| <p><i>http://www.edustation.disney.com</i><br/>77A16VL00</p>   | <p>Some titles available at public libraries. Berkeley school teachers can borrow from the Central Media</p> |
| <p>Bill goes underwater to talk about ocean ecosystems and the importance of small organisms such as coral, kelp, and plankton. Amazingly, these latter organisms are the food of huge whales, which gather them by straining thousands of tons of sea water through their mouths. In addition to the complete 26-minute episode of "Ocean Life," this disk is loaded with incredible DVD features like:<br/>*Fully indexed "chapters" correlated to National Science Standards.<br/>*Interactive glossaries and quizzes.<br/>*Bonus footage</p> |  |
| <p><b>Discovery Channel Animal Adaptation Videos</b><br/>DEMCO Library &amp; School Supply</p>   | <p>\$25-30</p>   |
| <p><i>http://www.demco.com</i></p>   |  |
| <p>45 different titles, 29.99 each. This extensive animal profile series provides for curriculum enrichment as well as multi-grade level use. Representative examples from the mammal, snake and bird classes are filmed in their natural habitat at the Washington Park Zoo and the Oregon Wildlife Safari. Teacher's resource guide includes key vocabulary, animal facts and pre-/post-viewing activities. 10-15 min. Interest Level: Grade 2-Grade 6.</p>  |  |
| <p><b>Ecology &amp; the Barn Owl</b><br/>Genesis Inc</p>   | <p>\$25-30</p>   |
| <p><i>http://www.pellet.com</i><br/>BOV</p>  |  |
| <p>Take a journey with David Carter and learn the basics of Ecology and a close look at the natural history of the Barn Owl. You will observe young owlets as they are raised by their parents and learn endless information about this most fascinating "Hunter of the Night". Excellent footage taken from a nest site. See an Owlet swallow a Mouse Whole!! See the Parents bringing in mice to the young owlets and extensive footage of the young until they leave the nest. Best of all you get to see an Owl Regurgitating a</p>          |  |
| <p><b>Eye Witness Jungle Video</b><br/>Acorn Naturalists</p>   | <p>\$6-7</p>   |
| <p><i>http://www.acornnaturalists.com/store/EYEWITNESS-JUNGLE-VIDEO-P590C0.aspx</i><br/>#V-4147</p>  |  |
| <p>Demonstrates why rainforests harbor the greatest concentration of life in the world, helping all to recognize their significance as a source of genetic diversity. Spectacular photography of some of the most dramatic places on the planet. For all ages, 35 minutes.</p>   |  |
| <p><b>Eyewitness: Insect</b><br/>Acorn Naturalists</p>   | <p>\$6-7</p>   |
| <p><i>http://www.acornnaturalists.com/store/EYEWITNESS-INSECT-VIDEO-P2245C0.aspx</i><br/>V-4201</p>  |  |
| <p>Mot people have viewed insects at a distance or put out "hotels" for them, but few realize the incredible diversity, beauty and drama presented by this amazing group of invertebrates. Utilizing advanced techniques, this video creates 3-D graphics that reveal the form, function, and lifestyle of this generally misunderstood group. 35 minutes</p>  |  |

**Gift of the Whales** \$5-6  
Acorn Naturalists  
<http://www.acornnaturalists.com/>  
V-2624  
Spectacular video filmed in a small coastal Native American village. Narrated by Dan Hunter, a Native American boy who relates stories told by his ancestors against a backdrop of whale footage. Combines traditional Native American philosophy with recent scientific findings. 30 minutes

**K - 12 Online Animal Videos & Media** FREE  
PBS Learning Media  
<http://www.teachersdomain.org>  
Free use of website but must log in. Part of WGBH public television in Boston. Teachersdomain.org features a variety of videos and media sources that can be viewed and played directly from the website. A great multi-purpose resource.

**Kids Discover Bats!** \$10-15  
Bat Conservation International  
<http://www.batcon.org>  
AV6  
Endorsed by Janell Cannon, award-winning author and illustrator of *Stellaluna*, this new video is for kids of all ages. It has 22 minutes of exciting live-action footage and clever animation, bringing the little-known world of these incredible animals into your home or classroom. Five young narrators explain that there are nearly 1,000 kinds of bats, and they're not the scary bad guys of Halloween legends, but instead are our gentle, helpful friends. VHS only.

**Microcosmos** \$15-20  
Amazon.com  
[http://www.amazon.com/Microcosmos-Kristin-Scott-Thomas/dp/B0000DZ3BS/ref=sr\\_1\\_1?ie=UTF8](http://www.amazon.com/Microcosmos-Kristin-Scott-Thomas/dp/B0000DZ3BS/ref=sr_1_1?ie=UTF8)  
ASIN: B0000DZ3BS  
Engaging 75 minute video captures the mystery and adventure of a spectacular hidden universe that is thriving right outside your door. Spectacular macro-photographic techniques show real-life duals between stag beetles, hordes of "giant" worker ants racing to stock their larders, close-up pictures of caterpillar to butterfly transformations, and remarkable footage showing the birth of a mosquito. With its cast of thousands, this real-life video shows that nature remains the greatest special effects wizard of all. Winner of the Cannes Film Festival grand prize for technological achievement.

**Reading Rainbow: Desert Giant Family Literacy Kit - DVD** \$60-70  
GPN Educational Media  
<http://shopgpn.com/>

Family Literacy Kit Contents:

- 1 nylon backpack
- 1 30-minute DVD of The Desert Giant
- 1 feature book - The Desert Giant
- 1 laminated Family Activity Sheet

Episode Description

This is the story of the life cycle and ecosystem of the giant saguaro cactus and the animals it helps to support in the desert.

LeVar explains the life and seasons of the desert. Inhabitants including jack rabbits, bobcats, gila monsters, a javelina pig and woodpeckers are a few that this segment features. He explores how cacti adapt to the heat and scarcity of water, and explains the appropriate dress for people in a hot, dry climate. A "snake man" gives a close-up look at rattlesnakes.

**Reading Rainbow: Desert Giant- The World of the Saguaro Cactus**

\$25-30

GPN Educational Media

<http://shopgpn.com/>  
126.062

This is the story of the life cycle and ecosystem of the giant saguaro cactus and the animals it helps to support in the desert. LeVar explains the life and seasons of the desert. Inhabitants including jack rabbits, bobcats, gila monsters, a javelina pig and woodpeckers are a few that this segment features. He explores how cacti adapt to the heat and scarcity of water, and explains the appropriate dress for people in a hot, dry climate. A "snake man" gives a close-up look at rattlesnakes. Teacher Guide and Science Guide available for download at <http://gpn.unl.edu/>

**Reading Rainbow: The Salamander Room**

\$25-30

GPN Educational Media

<http://shopgpn.com/>  
Product Code: 126.0094V

A young boy finds a salamander and thinks of the many things he can do to make a perfect home for it. Viewers learn that there is more to creating an animal habitat than meets the eye as LeVar explores Jungle World, a rain forest environment created at the Bronx Zoo in New York, and they learn about scientists who use a treetop raft as a lab to study the rain forest ecosystem. Based on the book by Steve Johnson.

**Seashore Surprises (Reading Rainbow Episode 88)**

\$25-30

GPN Educational Media

<http://shopgpn.com/>  
Product Code: 126.0088D

In "Seashore Surprises," by Rose Wyler, illustrated by Steven James Petruccio, viewers find there's more to the beach than meets the eye. Using the book as his guide, LeVar goes beachcombing in southwestern Florida. Then he meets up with two local naturalists to explore plant and animal life at the edge of sea, including shells, mangroves and more. Closed-captioned. Also Available for loan at ACOE, \$5/3days.

**The Magic School Bus - Gets Ants in its Pants**

\$6-7

Amazon.com

[http://www.amazon.com/The-Magic-School-Bus-Pants/dp/1568327439/ref=sr\\_1\\_4?ie=UTF8&qid=](http://www.amazon.com/The-Magic-School-Bus-Pants/dp/1568327439/ref=sr_1_4?ie=UTF8&qid=)

Scholastic's The Magic School Bus goes into show business when Keesha directs a movie about social animals for the school science fair. The class visits the inside of an anthill to observe their 'characters' at close range. They discover that each ant performs a vital job.

Join Ms. Frizzle and the gang in these fun videos based on the best-selling book series and top-rated PBS show. The Emmy award-winning animated videos cover science topics that are easily understood by youngsters.

### **The Magic School Bus Hops Home**

\$10-15

Amazon.com

[http://www.amazon.com/Magic-School-Bus-Hops-Home/dp/0590484133/ref=sr\\_1\\_1?s=books&ie=ISBN: 978-0590484138](http://www.amazon.com/Magic-School-Bus-Hops-Home/dp/0590484133/ref=sr_1_1?s=books&ie=ISBN: 978-0590484138)

Wanda goes over the top when she converts the entire classroom into a comfortable new home for her beloved pet frog, Bella. It's everything a frog could want ... or so Wanda thinks. However, when Bella jumps out an open window, Wanda learns to rethink her idea of what a frog needs. Join Ms. Frizzle and the gang in these fun videos based on the best-selling book series and top-rated PBS show. The Emmy award-winning animated videos cover science topics that are easily understood by youngsters. Kids First and Parent's Choice approved. From Scholastic. 30 minute running time. Ages 4 and up.

Can borrow from Alameda County Office of Education for \$5/3 days. Need to set up an account. (510) 670-4157.

### **The Secret World of Bats - DVD**

\$10-15

Bat Conservation International

<http://www.batcon.org>

(AV-9D)

This 48-minute film, originally shown on CBS television, captures all aspects of bat behavior as world-renowned cinematographer Dieter Plage follows Bat Conservation International founder Merlin Tuttle across five continents, capturing all aspects of bat behavior with remarkable slow-motion photography. DVD.

### **Tropical Rainforest Habitat**

\$35-40

Teacher's Video Company

<http://www.teachersvideo.com>

Product # : 346465

Peek inside the wettest habitat on land to learn about the special adaptations plants and animals make to ensure survival, including symbiosis.

### **Weather For Children: All About Climate & Seasons Video**

\$25-30

DEMCO Library & School Supply

<http://www.demco.com>

WL17301120

23 minutes. Interest Level: Kindergarten–Grade 4. Weather patterns change with the seasons of the year