



## Sample Materials

### Second Grade Life Science

#### Audio Tape/CD

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**Echoes of Nature, Vol. 5: Frog Chorus**

\$8-9

Amazon.com

[http://www.amazon.com/Echoes-Nature-Chorus-Various-Artists/dp/B000001V3B/ref=sr\\_1\\_fkmr0](http://www.amazon.com/Echoes-Nature-Chorus-Various-Artists/dp/B000001V3B/ref=sr_1_fkmr0)  
ASIN: B000001V3B

Use sound recordings to supplement your lesson on frogs to teach how frogs communicate.

**Sing the Science Standards**

\$30-35

Science Explosion, Inc.

<http://www.scienceexplosion.com>

Join the "Science Explosion" as they sing over 50 songs written to the Science Standards. This is a great way for students in elementary and middle school to review the most important ideas in science. Over 50 songs are included on this double-CD which also includes lyrics and instrumental versions. Bring the Science Standards to life with "Sing the Science Standards with the Science Explosion." Also has another two disc Volume 2 CD. Songbook available for \$27.50.

#### Classroom Books

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**101 Science Poems & Songs for Young Learners**

\$10-15

Amazon.com

[http://www.amazon.com/Science-Poems-Songs-Learners-Grades/dp/0590963694/ref=sr\\_1\\_1?s=t](http://www.amazon.com/Science-Poems-Songs-Learners-Grades/dp/0590963694/ref=sr_1_1?s=t)  
ISBN: 0590963694

A treasury of easy, kid-pleasing poems and songs that reinforce essential primary science concepts and build literacy. You'll turn to this big collection again and again to teach: light and shadow, plants, endangered animals, butterfly life cycles, machines, weather, hibernation, and everything in between! Includes exciting hands-on activities and simple experiments to extend learning.

**A Fruit Is a Suitcase for Seeds (Exceptional Nonfiction Titles for Primary Gra**

\$6-7

Amazon.com

[http://www.amazon.com/Suitcase-Exceptional-Nonfiction-Titles-Primary/dp/0822559919/ref=sr\\_1\\_](http://www.amazon.com/Suitcase-Exceptional-Nonfiction-Titles-Primary/dp/0822559919/ref=sr_1_)  
ISBN: 978-0822559917

by Jean Richards (Author), Anca Hariton (Illustrator) An introduction to seeds, their purpose, and growth that should be easy for young children to grasp. On each page, one or two short lines of text appear beneath a large painting. Hariton's use of bright watercolors adds sensual appeal to her illustrations of various fruits, vegetables, animals, and habitats. This cleverly presented book can be used as a read-aloud discussion starter, as a prelude to planting seeds and observing their growth, or in preparation for dissecting fruits and vegetables in order to find the seeds inside. Two final pages in question-and-answer format offer more tidbits of information about seeds.

## **A Handful of Dirt**

\$15-20

Amazon.com

<http://www.amazon.com>

ISBN: 0802786987

by Raymond Bial. Readers who take a good look at dirt through Bial's eyes (and his camera lens) will never again look down on this rich, lifeful, life-giving "element." The readable, informative text introduces dirt dwellers from the tiniest protozoans through myriad invertebrates to the mammals and reptiles whose burrows aerate the earth, all depicted in large, sharp, full-color photos. The author includes basic instructions for setting up a home compost heap, and urges his audience to feel the same reverence for the soil and growing things as he learned from a beloved grandfather (whose well-worn tools are displayed lovingly in a full-page photo). Team this treasure with such practical works as Eleonore Schmid's attractive *The Living Earth* (North-South, 1994), Laurence Pringle's engaging *Twist, Wiggle, and Squirm: A Book about Earthworms* (Crowell, 1973; o.p.), and Bianca Lavies's stunning *Compost Critters* (Dutton, 1993) for a scientific investigation, or, for a more poetic configuration, try Ken Robbins's lyrical *Earth* (Holt, 1995) and Peggy Christian's poignant *If You Find a Rock* (Harcourt, 2000).

## **A House for Hermit Crab by Eric Carle**

\$3-4

Amazon.com

[http://www.amazon.com/House-Hermit-Crab-World-Carle/dp/1481409158/ref=sr\\_1\\_1?s=books&ie](http://www.amazon.com/House-Hermit-Crab-World-Carle/dp/1481409158/ref=sr_1_1?s=books&ie)

Classic children's book.

## **A Nest Full of Eggs**

\$5-6

Amazon.com

[http://www.amazon.com/Nest-Lets-Read---Find-Out-Science-Stage/dp/0064451275/ref=sr\\_1\\_1?s=ISBN0064451275](http://www.amazon.com/Nest-Lets-Read---Find-Out-Science-Stage/dp/0064451275/ref=sr_1_1?s=ISBN0064451275)

by Jenkins, Priscilla Belz; Rockwell, Lizzy. A young boy and girl observe the activities of a robin family from the first "cheer-up" call of spring, through nest building, hatching, and fledging. Additional information about other kinds of birds and their behaviors is touched upon. One double-spread shows development within the egg. The format is open and inviting with illustrations that have child appeal.

## **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=UTF](http://www.amazon.com/Seed-Grows-My-First-Look/dp/1550742000/ref=sr_1_1?s=books&ie=UTF)

ISBN: 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.

### **About Mammals: A Guide for Children**

\$10-15

Amazon.com

[http://www.amazon.com/About-Mammals-Guide-Children-Peachtree/dp/1561451746/ref=sr\\_1\\_1?s=ISBN:156145141X](http://www.amazon.com/About-Mammals-Guide-Children-Peachtree/dp/1561451746/ref=sr_1_1?s=ISBN:156145141X)

By Cathryn Sill. Soft, realistic, full-page watercolors are paired with minimal text in this introduction to mammals. Commonalities (hair, milk) are presented along with a variety of behavioral and physical characteristics (movement, diet). The paintings are presented in an Audubon-like format, as individual plates with identification labels, displaying each animal in its habitat. Many of the subjects could be encountered on a quiet walk through the woods; others live in distant places. The paintings draw viewers in with their warmth, charm, and accuracy and the large type, surrounded by white space, makes this an unusually attractive easy reader. An afterword offers small, color reproductions of each plate with a bit more information. More sophisticated than Jim Arnosky's Crinkleroot's 25 Mammals Every Child Should Know (Bradbury, 1994), this is ideal for storytimes.

### **About Reptiles: A Guide for Children**

\$10-15

Amazon.com

[http://www.amazon.com/About-Reptiles-Children-Cathryn-Sill/dp/1561452335/ref=sr\\_1\\_1?s=book:ISBN:1561451835](http://www.amazon.com/About-Reptiles-Children-Cathryn-Sill/dp/1561452335/ref=sr_1_1?s=book:ISBN:1561451835)

by Cathryn P. Sill, John Sill, Fifteen full-page watercolor paintings depict a variety of North American reptiles, identified by their common names. Each plate is accompanied by a single line of text that describes a general characteristic shared by all reptiles or a special trait of the pictured animal. For instance, the illustration of a rough green snake states, "Reptiles have dry, scaly skin"; while the text opposite the painting of an Eastern box turtle reads, "Some reptiles have a hard, bony plate."

### **Activity books in Sunflower/Girasol Bilingual Series**

\$5-6

Intercultural Center for Research in Education

<http://www.incre.org>

Student Activity Books and Bilingual Memory Game sold separately. Sunflower/Girasol is a fully bilingual Spanish/English curriculum designed to encourage students to develop language skills and at the same time to turn their interest to the world of scientific discovery. The full-color format of Sunflower/Girasol invites children in grades 2-6 to engage in science and environmental education activities and to carry out investigations in their schools, homes and communities. Each thematic unit of Sunflower/Girasol is presented in a full-color magazine format activity book in either Spanish or English, with an accompanying teacher's guide. The first six units of Sunflower/Girasol are Plants, Water, Human Body, Air, Trash and Sound.

### **Arctic Babies**

\$6-7

Amazon.com

[http://www.amazon.com/Arctic-Babies-Kathy-Darling/dp/0802775047/ref=sr\\_1\\_1?s=books&ie=UTF:ISBN:0802775047](http://www.amazon.com/Arctic-Babies-Kathy-Darling/dp/0802775047/ref=sr_1_1?s=books&ie=UTF: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).

### **Are You a Bee?**

\$8-9

Amazon.com

[http://www.amazon.com/Are-You-Bee-Backyard-Books/dp/0753458047/ref=sr\\_1\\_1?s=books&ie=L](http://www.amazon.com/Are-You-Bee-Backyard-Books/dp/0753458047/ref=sr_1_1?s=books&ie=L)  
ISBN0753453452

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.

### **Are You a Grasshopper?**

\$8-9

Amazon.com

[http://www.amazon.com/Are-You-Grasshopper-Backyard-Books/dp/0753458063/ref=sr\\_1\\_1?s=bo](http://www.amazon.com/Are-You-Grasshopper-Backyard-Books/dp/0753458063/ref=sr_1_1?s=bo)  
ISBN0753453665

By Allen, Judy; Humphries, Tudor (illustrator). Looks at the life cycle, behavior, and physical characteristics of the grasshopper.

### **Are You a Snail?**

\$6-7

Amazon.com

<http://www.amazon.com>

by Judy Allen, A young snail faces many challenges as it tries to grow safely into an adult. All the facts a young child needs to understand the life of this intriguing backyard creature are packed into this engaging narrative.

### **Bats: A Creativity Book for Young Conservationists**

\$4-5

Bat Conservation International

<http://www.batcon.org>

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.

### **Berries, Nuts and Seeds (Take-Along Guide)**

\$8-9

Amazon.com

[http://www.amazon.com/Berries-Nuts-Seeds-Along-Guides/dp/1559715731/ref=sr\\_1\\_1?ie=UTF8&](http://www.amazon.com/Berries-Nuts-Seeds-Along-Guides/dp/1559715731/ref=sr_1_1?ie=UTF8&)  
ISBN: 978-1559715737

by Diane L. Burns (Author), John F. McGee (Illustrator)

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.

## **Bug Boy**

Amazon.com

\$4-5

[http://www.amazon.com/Bug-Boy-Carol-Sonenklar/dp/0440414652/ref=sr\\_1\\_1?s=books&ie=UTF8](http://www.amazon.com/Bug-Boy-Carol-Sonenklar/dp/0440414652/ref=sr_1_1?s=books&ie=UTF8)  
ISBN: 978-0440414650

by Carol Sonenklar, A third-grade boy with a passion for insects receives a mysterious Bug-a-View magnifier that changes him into any insect he places in the viewer. Life suddenly becomes much more interesting. Facts about insects are integrated into this humorous tale and the lively text is illustrated with black-ink sketches. The sequel is BUG GIRL.

## **Bugs Are Insects**

Amazon.com

\$9-10

[http://www.amazon.com/Bugs-Insects-Lets-Read---Find-Out-Science/dp/0064452034/ref=sr\\_1\\_1?](http://www.amazon.com/Bugs-Insects-Lets-Read---Find-Out-Science/dp/0064452034/ref=sr_1_1?)  
ISBN: 0064452034

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.

## **Butterflies Fly**

Amazon.com

\$6-7

[http://www.amazon.com/Butterflies-Fly-Yvonne-Winer/dp/1570914478/ref=sr\\_1\\_1?s=books&ie=U](http://www.amazon.com/Butterflies-Fly-Yvonne-Winer/dp/1570914478/ref=sr_1_1?s=books&ie=U)  
ISBN: 1570914478

By Yvonne Winer, Karen Lloyd-Jones (Illustrator). What the text lacks in specificity the illustrations more than compensate for: from the well-known Monarch butterfly to the Indian Leaf that hails from Southern East Asia, each delicate pair of wings is pictured in its habitat. These glorious paintings and a closing identification guide will lead readers off to the closest butterfly exhibit.

## **Camouflage: Changing to Hide (Nature's Changes)**

Amazon.com

\$8-9

[http://www.amazon.com/Camouflage-Changing-Hide-Natures-Changes/dp/0778723062/ref=sr\\_1\\_](http://www.amazon.com/Camouflage-Changing-Hide-Natures-Changes/dp/0778723062/ref=sr_1_)  
ISBN-10: 0778723062

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.

## **Chick: See How They Grow**

Amazon.com

\$4-5

[http://www.amazon.com/Chick-See-How-They-Grow/dp/0751366285/ref=sr\\_1\\_2?s=books&ie=UT](http://www.amazon.com/Chick-See-How-They-Grow/dp/0751366285/ref=sr_1_2?s=books&ie=UT)  
ISBN: 0863186521

by Angela Roysten. Out of Print. Bright photographs, colorful art borders, and a familiar text illustrate the life cycle of a chick, an eight-week process. It provides an excellent explanation of how the animal grows and develops.

<p><b>Como crece una semilla (How a Seed Grows) (Let's-Read-and-Find-Out Science)</b>  Amazon.com</p>	\$6-7
<p><a href="http://www.amazon.com">http://www.amazon.com</a></p>	
<p>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.</p>	
<p><b>Coralito's Bay/ La Bahía de Coralito</b>  Monterey Bay National Marine Sanctuary</p>	\$10-15
<p><a href="http://www.mbnmsf.org">http://www.mbnmsf.org</a></p>	
<p>ISBN 0-9742810-0-X</p>	
<p>Coralito's Bay is the story of a young boy's imaginary underwater adventures through the Monterey Bay National Marine Sanctuary. This dream-like journey in his father's adapted flower truck shows young Coralito the natural wonders of living in the Sanctuary, and how important clean waters are to it's inhabitants. Coralito learns that the ocean, like himself, needs a clean and healthy environment. The book is in both spanish and english.</p>	
<p><b>Crayfish (Early Bird Nature Books)</b></p>	\$25-30
<p>Amazon.com</p>	
<p><a href="http://www.amazon.com/Crayfish-Early-Nature-Phyllis-Grimm/dp/0822530309/ref=sr_1_1?s=book">http://www.amazon.com/Crayfish-Early-Nature-Phyllis-Grimm/dp/0822530309/ref=sr_1_1?s=book</a></p>	
<p>ISBN: 978-0822530305</p>	
<p>A basic introduction to these crustaceans, related in an easy-to-read, large-type text and illustrated with full-color photos.</p>	
<p><b>Crayfish (Schaefer, Lola M., Musty-Crusty Animals.)</b></p>	\$7-8
<p>Amazon.com</p>	
<p><a href="http://www.amazon.com/Crayfish-Musty-Crusty-Animals-Lola-Schaefer/dp/1588107221/ref=sr_1_1">http://www.amazon.com/Crayfish-Musty-Crusty-Animals-Lola-Schaefer/dp/1588107221/ref=sr_1_1</a></p>	
<p>ISBN: 978-1588107220</p>	
<p>A basic introduction to crayfish, focusing on their physical characteristics, habitat, diet, and activities.</p>	
<p><b>Crickets and Grasshoppers</b></p>	\$10-15
<p>Amazon.com</p>	
<p><a href="http://www.amazon.com/Crickets-Grasshoppers-Nature-Close-Up-Elaine/dp/B005Q854SY/ref=sr_1_1">http://www.amazon.com/Crickets-Grasshoppers-Nature-Close-Up-Elaine/dp/B005Q854SY/ref=sr_1_1</a></p>	
<p>Ages 9-12. by Elaine Pascoe, Dwight Kuhn (Photographer). How-to collection; build a cricket or grasshopper home; investigate a cricket's social life; find out what makes crickets sing and whether grasshoppers prefer certain colors. Nature Close-Up is an innovative, hands-on resource for young readers. It takes you in for a close look at all sorts of common creatures and organisms and lets you explore their world. Stunning photos, fascinating background material, and easy experiments teach biology and ground young students in the basics of the scientific process.</p>	
<p><b>Crinkleroot's Guide to Knowing Butterflies &amp; Moths</b></p>	\$15-20
<p>Amazon.com</p>	
<p><a href="http://www.amazon.com/Crinkleroots-Guide-Knowing-Butterflies-Moths/dp/068980587X/ref=sr_1_1">http://www.amazon.com/Crinkleroots-Guide-Knowing-Butterflies-Moths/dp/068980587X/ref=sr_1_1</a></p>	
<p>ISBN: 978-0689805875</p>	

By Jim Arnosky. Ages 5-8. Friendly woodsman Crinkleroot, whose other illustrated guidebooks introduce young children to birds, trees, fish, mammals, and tracking, now takes young children on a nature hike to meet butterflies and moths. After introducing some fundamentals of lepidopteran anatomy, Crinkleroot and his pet snake Sassafras go on a daytime walk to point out various butterflies and relate their life cycle and then on a night hike to observe and describe the ways of moths. Arnosky illustrates the book in lively fashion with bright, sunny watercolor paintings, showing all labeled butterflies and caterpillars in actual size. An appealing, practical cross between a picture book and a field guide.

### **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=books&ie=UTF8&qid=1451111111&sr=1-1)  
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.

### **Diary of a Sunflower**

\$4-5

Amazon.com

[http://www.amazon.com/Diary-sunflower-about-science-library/dp/0590667696/ref=sr\\_1\\_1?s=bool](http://www.amazon.com/Diary-sunflower-about-science-library/dp/0590667696/ref=sr_1_1?s=books&ie=UTF8&qid=1451111111&sr=1-1)  
ISBN: 0439186064

By Carol Pugliano, Inc Scholastic . Kids will clamor to read these colorful and fascinating Super-Science Readers that build nonfiction reading skills--and are perfect for guided and independent reading! Sixteen-page books feature fabulous, eye-popping photos, colorful, detailed illustrations, and informative text on favorite science topics. Each set comes packaged in a reusable storage bag that includes 6 copies of the same Super-Science Reader, an 8-page teaching guide filled with rubrics, and reproducible reading/writing activities; plus science background and easy hands-on activities.

### **Does Anyone Know Where a Hermit Crab Goes?**

\$6-7

Amazon.com

[http://www.amazon.com/Does-Anyone-Know-Where-Hermit/dp/0911635009/ref=sr\\_1\\_1?s=books&](http://www.amazon.com/Does-Anyone-Know-Where-Hermit/dp/0911635009/ref=sr_1_1?s=books&ie=UTF8&qid=1451111111&sr=1-1)  
ISBN: 978-0911635003

The book follows Permit Drab the Hermit Crab as he looks for a new home. His shell has gotten too small for him, and his task is to find one that will be comfortable enough for him to live in. This book is written in a way that people of all ages can enjoy it, and it's especially fun to read to your children.

### **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=UTF8&qid=1451111111&sr=1-1)  
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.

### **FOSS Science Stories Single Copy Set (Spanish Grades 1-2)**

\$25-30

Delta Education

<http://www.delta-education.com/>  
WX-542-1226

Titles: Air and Weather; Balance and Motion; Insects; New Plants; Pebbles, Sand, and Silt; Solids and Liquids. Science Stories for Grades 1-2 use large, colorful photographs and appropriate text to enhance the science learning experience. The stories provide factual information in a clear and concise manner. Other purchasing options: a CLASSROOM SET (56 books, 8 ea. of 6 titles) of all Grade 1-2 Science Stories is \$203.66.

### **From Caterpillar to Butterfly**

\$8-9

Amazon.com

<http://www.amazon.com/Caterpillar-Butterfly-Lets-Read---Find-Out-Science/dp/0064451291/ref=sr>  
ISBN: 0064451291

By Deborah Heiligman (Author), Bari Weissman (Illustrator). Seen through the children's eyes as they experience the excitement of observing the wiggly caterpillar, watch it molt, change into a chrysalis, endure the endless waiting, and stare in wonder as a Painted Lady butterfly emerges and dries its wings. The closing pages show the class at the window watching the insect pause on a flower before flying away to begin the life cycle once again. Pen-and-ink and watercolor illustrations create a cheerful setting similar in style to those found in Miriam Cohen's books about classroom events. Close-ups show the stages of transformation as captions wend along plant leaves and stems reminiscent of a caterpillar crawling. A small collection of butterflies commonly found in most parts of the U.S. and a list of addresses of butterfly centers are appended. An inviting book that young children can relate to and one that teachers will find valuable to support nature-study projects.

### **From Seed to Plant**

\$8-9

Amazon.com

[http://www.amazon.com/From-Seed-Plant-Gail-Gibbons/dp/0823410250/ref=sr\\_1\\_1?ie=UTF8&qia](http://www.amazon.com/From-Seed-Plant-Gail-Gibbons/dp/0823410250/ref=sr_1_1?ie=UTF8&qia)  
ISBN: 0823410250

By Gail Gibbons. This is an excellent book for younger students (K-3) about seeds and plants. You can read the book to the students and then plant radish seeds (they grow quickly) in see-through plastic cups. Later, the students can read the book out loud to one another and discuss the seed to plant concept. They can also keep a journal to record their observations of their seeds with illustrations about every other day. This book presents a great opportunity to combine reading, writing and science.

Available at Berkeley  
Public Libraries 581.3  
G352f.

### **From Seed to Plant (Rookie Read-About Science)**

\$6-7

Amazon.com

[http://www.amazon.com/Seed-Plant-Rookie-Read-About-Science/dp/0516273078/ref=sr\\_1\\_1?s=b](http://www.amazon.com/Seed-Plant-Rookie-Read-About-Science/dp/0516273078/ref=sr_1_1?s=b)  
ISBN: 978-0516273075

by Allan Fowler ISBN-13: 978-0516273075 Beautiful photographs and clear illustrations combined with easy-to-read text make for a good beginning book on plants for your early elementary aged child. Only 31 pages long, but manages to pack a good amount of information into this small space. A short vocabulary list of new words (pistil, pod, pollen, seedcase, seed and stamen) is given at the end of the book.

### **Green Thumbs: A Kid's Activity Guide to Indoor and Outdoor Gardening**

\$10-15

Amazon.com

[http://www.amazon.com/Green-Thumbs-Activity-Outdoor-Gardening/dp/155652238X/ref=sr\\_1\\_1?s](http://www.amazon.com/Green-Thumbs-Activity-Outdoor-Gardening/dp/155652238X/ref=sr_1_1?s)  
ISBN: 155652238X

by Laurie Carlson . These gardening projects are so simple, quick and fun, anyone can their brown thumb in to a green thumb.

### **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=](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=bc](http://www.amazon.com/Here-Tropical-Rain-Forest-Life-ebook/dp/B00B3M48FM/ref=sr_1_1?s=bc)

ISBN: 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?](http://www.amazon.com/Hermit-Barrons-Complete-Owners-Manuals/dp/0764143441/ref=sr_1_1?)

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.

### **In the Snow: Who's Been Here?**

\$6-7

Amazon.com

<http://www.amazon.com>

ISBN0688170560

By George, Lindsay Barrett. A child's crudely drawn map on the jacket flap shows the snow-covered trail that young William, Cammy, and their dog follow to the sledding hill. Along the way, the children find signs of animal life (tracks, scattered seeds, a nest, gnawed branches, castings, tunnels, etc.), and wonder "Who's been here?" (Perhaps the happiest finds of all are the doughnuts and hot chocolate left at the end of the trail.) Readers will discover the answers in gloriously detailed, realistic paintin

**Invertebrates Crabs, Crayfishes, and Their Relatives: Crabs, Crayfishes, and Amazon.com**

\$15-20

[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 Could Still Be a Mammal Amazon.com**

\$5-6

[http://www.amazon.com/Could-Mammal-Rookie-Read-About-Science/dp/0516449036/ref=sr\\_1\\_1?ISBN051607010X](http://www.amazon.com/Could-Mammal-Rookie-Read-About-Science/dp/0516449036/ref=sr_1_1?ISBN051607010X)

by Allan Fowler. A Rookie- Read Aloud Book. Observes and describes appearance and behaviors of different mammals.

**It Must be a Bird Big book AIMS Education Foundation**

\$9-10

<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.

**Joyful Noise: Poems for Two Voices Amazon.com**

\$5-6

[http://www.amazon.com/Joyful-Noise-Poems-Two-Voices/dp/0064460932/ref=sr\\_1\\_1?s=books&ie](http://www.amazon.com/Joyful-Noise-Poems-Two-Voices/dp/0064460932/ref=sr_1_1?s=books&ie)  
ISBN: 0064460932

by Paul Fleischman, This collection of poems about insects is written for two voices. The poems provide information on the behaviors and characteristics of 14 different insects, including honey bees, grasshoppers, fireflies, and the chrysalis stage of butterflies. Whimsical pencil drawings illustrate each poem.

**Kermit the Hermit Amazon.com**

\$9-10

[http://www.amazon.com/Kermit-Hermit-Bill-Peet/dp/0395296072/ref=sr\\_1\\_1?s=books&ie=UTF8&q](http://www.amazon.com/Kermit-Hermit-Bill-Peet/dp/0395296072/ref=sr_1_1?s=books&ie=UTF8&q)  
ISBN: 978-0395296073

It is a 1965 story about a Hermit Crab who starts out the story as a selfish shellfish. Through an act of human kindness, he learns the emptiness of a self-centered life. Kermit devotes himself to repaying the favor and finds satisfaction in doing for others.

**Lady Bugs Amazon.com**

\$9-10

[http://www.amazon.com/Ladybugs-Minibeasts-Claire-Llewellyn/dp/0531148262/ref=sr\\_1\\_2?s=boo](http://www.amazon.com/Ladybugs-Minibeasts-Claire-Llewellyn/dp/0531148262/ref=sr_1_2?s=boo)  
ISBN 0531148262

By Llewellyn, Claire; Watts, Barrie (illustrator); Watts, Barrie. "Mini-Beasts" as they are lovingly described. This book takes a closer look at the Lady Bug.

- 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.
- Linnea's Windowsill Garden** \$1-2  
 Amazon.com  
[http://www.amazon.com/Linneas-Windowsill-Garden-Linnea-books/dp/9129590647/ref=sr\\_1\\_cc\\_1](http://www.amazon.com/Linneas-Windowsill-Garden-Linnea-books/dp/9129590647/ref=sr_1_cc_1)  
 ISBN: 9129590647  
 This is an illustrated introduction to plants and how they grow in small places with information on creating an urban garden. Interspersed in the by Bjork, Christina. information on birds, seeds, and bulbs are activities that range from simple to complex. Lively line drawings in two colors enhance the text.
- Little Brother Moose** \$8-9  
 Amazon.com  
[http://www.amazon.com/Little-Brother-Moose-James-Kasperson/dp/1883220335/ref=sr\\_1\\_1?s=bc](http://www.amazon.com/Little-Brother-Moose-James-Kasperson/dp/1883220335/ref=sr_1_1?s=bc)  
 ISBN 1883220335  
 By Holman, Karlyn (illustrator); Kasperson, James.  
 Drawing on Native American and other spiritual traditions, this parable tells of a young moose lured from lake to town by his curiosity. Moss-the Algonquin word for "moose"-travels down a "laughing" stream. But soon the moose's ears twitch at unfamiliar sounds, and he disregards the "small voice within" that "spoke of the bog. 'Come home, little brother.'" Pursuing the call of the river ("Follow me!") he climbs the riverbank and sees a "hard" river roaring
- Little Panda: The World Welcomes Hua Mei at the San Diego Zoo** \$8-9  
 Amazon.com  
[http://www.amazon.com/Little-Panda-World-Welcomes-Diego/dp/068986616X/ref=sr\\_1\\_1?s=book](http://www.amazon.com/Little-Panda-World-Welcomes-Diego/dp/068986616X/ref=sr_1_1?s=book)  
 ISBN: 0689843100  
 by Joanne Ryder. Baby panda Hua Mei's birth and first year of life at the San Diego Zoo are documented in this photo essay. Short textual notes about her infancy, her naming at 100 days old, and her first independent encounters with the world are accompanied by photographs. General information about panda development, diet, habitat, and behavior is included in smaller italic text on each page. California author and setting.
- 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.

<b>Lizards (Outstanding Science Trade Books for Students K-12 (Awards))</b>	\$4-5
Amazon.com	
<i><a href="http://www.amazon.com/Lizards-Animalways-Daniel-Greenberg/dp/0761415807/ref=sr_1_1?s=bo">http://www.amazon.com/Lizards-Animalways-Daniel-Greenberg/dp/0761415807/ref=sr_1_1?s=bo</a></i>	
ISBN: 978-0761415800	
By Daniel Greenberg.	
Information about lizards.	
<b>lizards, frogs, and polliwogs</b>	\$15-20
Amazon.com	
<i><a href="http://www.amazon.com/lizards-frogs-polliwogs-Douglas-Florian/dp/0152052488/ref=sr_1_1?s=bo">http://www.amazon.com/lizards-frogs-polliwogs-Douglas-Florian/dp/0152052488/ref=sr_1_1?s=bo</a></i>	
ISBN: 015202591X	
Toadally hilarious reptile and amphibian poems. Douglas Florian's collection of twenty-one original poems and paintings. From transparent glass frogs and ravenous rattlesnakes to sticky geckos and stressed-out skinks, this slithery spectacle showcases once again a master's incomparable skill for making poetry informative,	
<b>Neptune's Nursery</b>	\$10-15
Amazon.com	
<i><a href="http://www.amazon.com/Neptunes-Nursery-Kim-Michelle-Toft/dp/1570913919/ref=sr_1_1?s=book">http://www.amazon.com/Neptunes-Nursery-Kim-Michelle-Toft/dp/1570913919/ref=sr_1_1?s=book</a></i>	
ISBN: 1570913927	
By Kim Michelle Toft. Through the use of rhyming text framed as riddles, readers try to guess the identity of mysterious sea creatures. The life cycles of various sea animals are included. Boldly colored, eye-catching illustrations are created using a dyed-silk technique. The book concludes with explanatory notes and a glossary.	
<b>Newts: Their Care in Captivity (Basic Domestic Reptile &amp; Amphibian Library)</b>	\$6-7
Amazon.com	
<i><a href="http://www.amazon.com/Newts-Captivity-Domestic-Reptile-Amphibian/dp/0791051315/ref=sr_1_1">http://www.amazon.com/Newts-Captivity-Domestic-Reptile-Amphibian/dp/0791051315/ref=sr_1_1</a></i>	
ISBN: 978-0791051313	
Basic care of newts. Many photos.	
<b>One Bean</b>	\$8-9
Amazon.com	
<i><a href="http://www.amazon.com/One-Bean-Anne-Rockwell/dp/0802775721/ref=sr_1_1?ie=UTF8&amp;qid=14C">http://www.amazon.com/One-Bean-Anne-Rockwell/dp/0802775721/ref=sr_1_1?ie=UTF8&amp;qid=14C</a></i>	
ISBN: 0802775721	
by Anne F. Rockwell. What do you get when you take one bean and add a handful of soil and a splash of water? With patience and a bit of sunshine you get a full-grown bean plant that makes beautiful flowers and grows a whole new crop of beans. Packed with facts and featuring activities kids can do themselves, this book is perfect for blossoming botanists and growing gardeners alike.	
<b>One Tiny Turtle</b>	\$6-7
Amazon.com	
<i><a href="http://www.amazon.com/One-Tiny-Turtle-Read-Wonder/dp/0763623113/ref=sr_1_1?s=books&amp;ie=">http://www.amazon.com/One-Tiny-Turtle-Read-Wonder/dp/0763623113/ref=sr_1_1?s=books&amp;ie=</a></i>	
ISBN: 0763615498	
by Nicola Davies. The life cycle of a turtle is described through the 30-year journey of a female loggerhead sea turtle as she travels thousands of miles and finally comes ashore to lay her eggs. The lyrical text includes facts woven into the story and is enhanced by full-color acrylic paintings.	

<b>Outside and Inside Alligators</b>	\$5-6
Amazon.com	
<i><a href="http://www.amazon.com/Outside-inside-alligators-Sandra-Markle/dp/0439113113/ref=sr_1_1?s=bc">http://www.amazon.com/Outside-inside-alligators-Sandra-Markle/dp/0439113113/ref=sr_1_1?s=bc</a></i>	
ISBN: 978-0439113113	
By Sandra Markle. This photo-essay's enthusiastic emphasis on anatomy and precise details distinguish it from other books about alligators. It describes the external and internal characteristics of alligators and how they find food, mate, and raise their young.	
<b>Plant Profiles: Free Guide to Common Bay Area Native Plants</b>	FREE
The Watershed Project	
<i><a href="http://www.thewatershedproject.org">http://www.thewatershedproject.org</a></i>	
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.	
<b>Quick and Easy Hermit Crab Care</b>	\$3-4
Amazon.com	
<i><a href="http://www.amazon.com/Quick-Easy-Hermit-Crab-Care-ebook/dp/B005KL9GD6/ref=sr_1_1?s=bc">http://www.amazon.com/Quick-Easy-Hermit-Crab-Care-ebook/dp/B005KL9GD6/ref=sr_1_1?s=bc</a></i>	
This book includes all the information a beginning pet owner needs for maximum health and enjoyment of their animal. The pet experts at TFH have decades of knowledge at their disposal and share helpful hints and quick tips to make caring for these pets "quick & easy." It contains the most up-to-date information on housing and feeding your hermit crab. It provides details on shells and molting and explains how they affect your hermit crab.	
<b>Rainforest Babies</b>	\$2-3
Amazon.com	
<i><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></i>	
ISBN: 0802775039	
by Kathy Darling. Photographs and text describe Rainforest animals and their young.	
<b>Reason for a Flower, The</b>	\$9-10
Amazon.com	
<i><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></i>	
ISBN: 0698115597	
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>Red-Spotted Newt</b>	\$2-3
Amazon.com	
<i><a href="http://www.amazon.com/Red-Spotted-Newt-Doris-Gove/dp/0689316976/ref=sr_1_1?s=books&amp;ie=">http://www.amazon.com/Red-Spotted-Newt-Doris-Gove/dp/0689316976/ref=sr_1_1?s=books&amp;ie=</a></i>	
Play by play, season by season, this is the chronicle of one newt's life. Pretty, realistic watercolor paintings embellish the text on each page. There are no chapter divisions; instead, there is one long, straight narrative. Told clearly, with an attentive, even tone, the story unfolds through the stages of egg, embryo, larva, life on land as an eft, and finally as an adult female that returns to its home pond to lay eggs and begin the cycle again. By Doris Gove.	

## Reptiles and Amphibians Coloring Book

\$3-4

Amazon.com

[http://www.amazon.com/Reptiles-Amphibians-Coloring-Thomas-Quirk/dp/0486241114/ref=sr\\_1\\_1](http://www.amazon.com/Reptiles-Amphibians-Coloring-Thomas-Quirk/dp/0486241114/ref=sr_1_1):  
ISBN: 0486241114

Thomas Quirk and Samuel Gundy. Accurate line renderings of over 70 alligators, snakes, lizards, frogs, toads, etc. Concise captions give scientific name, size, habitat, coloring, distinguishing characteristics, other data. Total of 44 black-and-white illustrations, reproduced in authentic color on covers. Copyright-free, wonderful for learning, coloring.

## Science Kids Animal Disguises

\$6-7

Amazon.com

[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)

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.

## Seeds, Stems, And Stamens: The Way Plants Fit into Their World

\$20-25

Amazon.com

[http://www.amazon.com/Seeds-Stems-Stamens-Plants-Their/dp/0761318747/ref=sr\\_1\\_1?s=booksISBN:978-0761318743](http://www.amazon.com/Seeds-Stems-Stamens-Plants-Their/dp/0761318747/ref=sr_1_1?s=booksISBN:978-0761318743)

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

## Silkworms

\$15-20

Insect Lore

<http://www.insectlore.com>  
7023A

Information about raising silkworms from where to get silkworm eggs to teacher resources, pictures, science questions, history, and more

## Silkworms (Lerner Natural Science)

\$5-6

Amazon.com

[http://www.amazon.com/Silkworms-Lerner-Natural-Science-Book/dp/0822595575/ref=sr\\_1\\_1?s=bISBN:0822595575](http://www.amazon.com/Silkworms-Lerner-Natural-Science-Book/dp/0822595575/ref=sr_1_1?s=bISBN:0822595575)

An introduction to the domesticated silkworm moth, raised on farms in Japan and elsewhere for the sake of the silk thread out of which its cocoons are constructed.

## Simon Underground

FREE

Oakland Public Library

<http://www.oaklandlibrary.org>  
Juvenile Fiction Ryder

by Joanna Ryder. Out of print, available at OPL only. HarperCollins Children's Books. As the winter approaches, Simon the mole begins digging under the ground to build the tunnels where he will live throughout the cold months. There he eats and sleeps, safe in his home. Only as spring approaches does Simon emerge from his underground burrow.

## **Smithsonian Handbooks: Reptiles and Amphibians**

\$10-15

Amazon.com

[http://www.amazon.com/Smithsonian-Handbooks-Reptiles-Amphibians/dp/0789493934/ref=sr\\_1\\_1](http://www.amazon.com/Smithsonian-Handbooks-Reptiles-Amphibians/dp/0789493934/ref=sr_1_1)  
ISBN: 0789493934

O'Shea, curator of the reptile collection at the West Midlands (UK) Safari Park, and Halliday, who directs the Declining Amphibians Populations Task Force, have compiled an elegant field guide to 400 species of the world's reptiles and amphibians. Each entry provides an annotated color photograph, a map, and information on the species' key characteristics. An introductory section gives an overview of amphibian and reptile anatomy, reproduction, feeding habits, defenses, conservation, etc.

## **Snails and slugs**

FREE

Alameda County Public Libraries

<http://alam1.aclibrary.org/search~S30/?searchtype=t&searcharg=snails+and+slugs&searchscope=J594.3 PASCOE>

By Elaine Pasco. Describes the physical characteristics, reproduction processes, habitats, and metamorphoses of snails and slugs and provides instructions for related hands-on science projects. Non-fiction.

## **Someday a Tree**

\$7-8

Amazon.com

[http://www.amazon.com/Someday-Tree-Eve-Bunting/dp/0395764785/ref=sr\\_1\\_1?s=books&ie=UTF8](http://www.amazon.com/Someday-Tree-Eve-Bunting/dp/0395764785/ref=sr_1_1?s=books&ie=UTF8)  
ISBN: 0395764785

by Bunting, Eve. A young girl, her parents, and their neighbors try to save an old oak tree that has been poisoned by pollution in the soil. Unable to save the tree, the girl remembers the acorns she collected when the tree was still healthy and plants them. Delicate watercolors complement this emotional story. California author.

## **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.

## **Sunflower/Girasol: Multicultural Bilingual Story**

\$6-7

Intercultural Center for Research in Education

<http://www.incre.org>

Teacher Guide sold separately. The Sunflower/Girasol story books are based on the multicultural children characters featured in the science inquiry curriculum and promote the integration of the development of literacy skills with science, art, drama, social studies and music. Each story is narrated by a character from a different Latin American country. As they read, students learn about the culture of the country, and engage in a variety of activities that promote reading comprehension, writing skills, and discussion of ethical and emotional issues of importance to children. Each book comes with a Teacher's Guide that suggests a variety of interdisciplinary learning activities. The books are written at a 2nd and 3rd grade reading level and are available in Spanish and English. Each book is a story all its own. The content is linked to one of the characters in the Sunflower/Girasol Science units.

<b>Tadpoles</b>	\$10-15
Amazon.com	
<i>http://www.amazon.com/Tadpoles-Betsy-James/dp/0525461973/ref=sr_1_1?s=books&amp;ie=UTF8&amp;c</i> ISBN: 0525461973	
By: Betsy James	
Information about raising tadpoles is woven into a story about a young girl learning what it is like to have a baby brother. Under her care the tadpoles grow and she begins to understand some commonalities between the tadpoles and her baby brother. The first-person text is highlighted by colorful, breezy paintings. It concludes with a summary of the life cycle of frogs.	
<b>The Butterfly Alphabet Book</b>	\$7-8
Acorn Naturalists	
<i>http://www.acornnaturalists.com/store/THE-BUTTERFLY-ALPHABET-BOOK-P4278C0.aspx</i> #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.	
<b>The Care of Land Hermit Crabs</b>	\$3-4
Amazon.com	
<i>http://www.amazon.com/Care-Hermit-Crabs-Herpetocultural-Library/dp/1882770501/ref=sr_1_2?s</i>	
Specialized Care for Land Hermit Crabs.	
<b>The Empress and The Silkworm</b>	\$4-5
Amazon.com	
<i>http://www.amazon.com/Empress-Silkworm-Lily-Toy-Hong/dp/0807520098/ref=sr_1_1?s=books&amp;i</i> ISBN: 978-0807520093	
By Lily Toy Hong. Almost 5,000 years ago, a Chinese empress was sipping tea in the garden when - plop! - a silkworm cocoon dropped into her cup from a Mulberry tree. The cocoon began to unravel in her cup and as the empress plucked it out, she found it was made of a fine, shimmering thread. This lively telling of a Chinese legend is illustrated by pictures as rich and radiant as silk itself. A perfect story to tell while raising silkworms. Ages 4 & up. 32 pages, hardback.	
<b>The Gift of the Tree</b>	\$15-20
Amazon.com	
<i>http://www.amazon.com/The-Gift-Tree-Alvin-Tresselt/dp/0688106846</i>	
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.	
<b>The Reason for a Flower (World of Nature)</b>	\$6-7
Amazon.com	
<i>http://www.amazon.com</i> ISBN: 0698115597	
by Ruth Heller. The reason for a flower is to manufacture seeds, but Ruth Heller shares a lot more about parts of plants and their functions in her trademark rhythmic style.	
Available in Spanish at Berkeley Public Library and Alameda County Public Libraries.	

**The Salamander Room** \$10-15  
 Amazon.com  
[http://www.amazon.com/Salamander-Room-Dragonfly-Books/dp/0679861874/ref=sr\\_1\\_1?s=book](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 Snake Book** \$10-15  
 Amazon.com  
[http://www.amazon.com/Snake-Book-DK-Publishing/dp/0789415267/ref=sr\\_1\\_4?s=books&ie=UTF](http://www.amazon.com/Snake-Book-DK-Publishing/dp/0789415267/ref=sr_1_4?s=books&ie=UTF)  
 ISBN: 978-0789415264  
 By DK Publishing  
 A brief introduction to 12 different snakes ranging from the boa constrictor to the everglades rat snake. Close-up, full-color photographs set against stark white backgrounds allow readers to see the details of each reptile's body. A dramatic four-page foldout reveals a reticulated python.

**The Tamarindo Puppy: And Other Poems** FREE  
 Alameda County Public Libraries  
<http://www.aclibrary.org>  
 J811.5 POMERANTZ  
 by Charlotte Pomerantz, Byron Barton (Illustrator) . A book that speaks two languages! These 13 joyous poems slip effortlessly back and forth between English and Spanish, much the way many people talk. Each poem describes something familiar--a puppy, a mirror, and a cat, for example--with zippy, natural humor and bouncy, lively rhythm.

811 P771tr at  
 Berkeley Public  
 Library

**The Tiny Seed** \$8-9  
 Amazon.com  
[http://www.amazon.com/Tiny-Seed-World-Eric-Carle/dp/1416979174/ref=sr\\_1\\_1?ie=UTF8&qid=1](http://www.amazon.com/Tiny-Seed-World-Eric-Carle/dp/1416979174/ref=sr_1_1?ie=UTF8&qid=1)  
 ISBN: 088708155X  
 By Eric Carle. In autumn, a strong wind blows flower seeds high in the air and carries them far across the land. One by one, many of the seeds are lost -- burned by the sun, fallen into the ocean, eaten by a bird. But some survive the long winter and, come spring, sprout into plants, facing new dangers -- trampled by playing children, picked as a gift for a friend. Soon only the tiniest seed remains, growing into a giant flower and, when autumn returns, sending its own seeds into the wind to start the process over again. Eric Carle's eloquent text and brilliant collages turn the simple life cycle of a plant into an exciting story, a nature lesson, and an inspiring message of the importance of perseverance.

Available at Berkeley  
 Public Library  
 Children's section Call  
 # P Carle, E

**The Very Quiet Cricket** \$5-6  
 Amazon.com  
[http://www.amazon.com/Quiet-Cricket-Penguin-Young-Readers/dp/0448481383/ref=sr\\_1\\_2?ie=U](http://www.amazon.com/Quiet-Cricket-Penguin-Young-Readers/dp/0448481383/ref=sr_1_2?ie=U)  
 ISBN: 978-0448481388  
 by Eric Carle. A cricket is born who cannot talk! A bigger cricket welcomes him to the world, then a locust, a cicada, and many other insects, but each time the tiny cricket rubs his wings together in vain: no sound emerges. In the end, however, he meets another quiet cricket, and manages to find his "voice." Children will love the repetitive text as they meet a steady parade of new creatures (including a "spittlebug, slurping in a sea of froth"); and of course they'll delight in the happy ending.

## **The Year At Maple Hill Farm, Provensen**

\$8-9

Amazon.com

<http://www.amazon.com>

In January, the cows stay in the barnyard, and the chickens don't lay many eggs. By March, you can tell spring is coming: the barn is filled with baby animals. Month by month, the animals at Maple Hill Farm sense the changing seasons and respond to the changes. Through gently humorous text and charming illustrations, Alice and Martin Provensen capture one year at their beloved Maple Hill Farm in a way sure to delight city slickers and country folk alike.

## **The Yucky Reptile Alphabet Book**

\$7-8

Amazon.com

[http://www.amazon.com/Yucky-Reptile-Alphabet-Jerry-Pallottas/dp/0881064548/ref=sr\\_1\\_1?s=bo](http://www.amazon.com/Yucky-Reptile-Alphabet-Jerry-Pallottas/dp/0881064548/ref=sr_1_1?s=bo)  
ISBN: 0881064548

by Jerry Pallotta, Ralph Masiello . As young readers turn the pages of this beautifully illustrated book, they will find that reptiles aren't really so "yucky." In fact, reptiles are among nature's most exotic and intriguing animals. Pallotta's well-researched text and Masiello's vivid illustrations will enthrall young readers.

## **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.

## **Twelve Snails to One Lizard: A Tale of Mischief and Measurement**

\$15-20

Amazon.com

[http://www.amazon.com/Twelve-Snails-One-Lizard-Measurement/dp/0689804520/ref=sr\\_1\\_1?s=b](http://www.amazon.com/Twelve-Snails-One-Lizard-Measurement/dp/0689804520/ref=sr_1_1?s=b)  
ISBN: 978-0689804526

This illustrated book, for young readers in preK to grade 2, tells the story of Bubba Bullfrog as he helps Milo the beaver build a dam by explaining to him the concepts of inches, feet, and yards. Bubba explains to Milo that an inch is about as long as a snail and a foot is about as long as a lizard. Using these ideas Bubba and Milo proceed to patch the hole in the dam so that all the rainwater does not run off and leave the pond dry for the summer. The last page of this book offers measurement facts about the animals in the book, including the fact that, in Montana, there is a beaver dam that is 2,140 feet long. (Author/JRS)

## **Un arbol es hermoso**

FREE

Oakland Public Library

<http://www.oaklandlibrary.org>

SPA P Udry, J

by Janice May Udry, Maria A. Fiol (Translator). Ages 4-8. In this Spanish edition of Udry's A Tree Is Nice (Harper), Fiol's sound translation maintains the poetic language of the English-language classic celebrating the beauty and usefulness of trees. Library bind edition available for \$14.95 at Amazon.com, Paperback out of print, available in libraries.

Available at Oakland  
Public Library, Call #  
Juvenile Spanish  
Fiction Udry

**Waiting for Wings** \$15-20  
Amazon.com  
[http://www.amazon.com/Waiting-Wings-Lois-Ehlert/dp/0152026088/ref=sr\\_1\\_1?s=books&ie=UTF8](http://www.amazon.com/Waiting-Wings-Lois-Ehlert/dp/0152026088/ref=sr_1_1?s=books&ie=UTF8)  
ISBN: 978-0152026080  
by Lois Ehlert. On each of the smaller pages, which are artistic extensions of the main background spread, Ehlert unfolds a rhyming text explaining how caterpillars lay eggs and form "a case in which to grow" before "wings unfold; new butterflies are born!" Several pages of background material conclude the book, labeling different kinds of butterflies at different stages of development, from the buckeye butterfly to the painted lady to the monarch. A "Butterfly Information" page clearly labels butterfly ana

**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 Kinds of Seeds Are These? (Picture Book)** \$15-20  
Amazon.com  
[http://www.amazon.com/What-Kinds-Seeds-Are-These/dp/1559719559/ref=sr\\_1\\_1?ie=UTF8&qid=](http://www.amazon.com/What-Kinds-Seeds-Are-These/dp/1559719559/ref=sr_1_1?ie=UTF8&qid=)  
ISBN: 978-1559719551  
by Heidi Bee Roemer (Author), Olena Kassian (Illustrator)  
An interactive guessing game about seeds and the plants they produce. Through rhyming text and clues, Roemer introduces nine different types. Lyrical language and descriptions (angel-winged maple seeds, hitchhiking burdock burrs, and wispy-soft dandelion tufts) paired with lush watercolor paintings perfectly express the natural transformations that take place. The repetitive question What kind of seed is this? is answered on the opposite page in bold font. This riddling book will be fun to share one-on-one or in a group setting. Follow-up crafts and activities are appended.

**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\\_1](http://www.amazon.com/Where-Animals-Lets-Read---Find-Out-Science/dp/0064451763/ref=sr_1_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 explanation

## **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.

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.

## **While a Tree Was Growing**

\$4-5

Amazon.com

[http://www.amazon.com/While-Tree-Growing-Jane-Bosveld/dp/0761105409/ref=sr\\_1\\_1?s=books&](http://www.amazon.com/While-Tree-Growing-Jane-Bosveld/dp/0761105409/ref=sr_1_1?s=books&)  
ISBN-10: 0761105409

By Bosveld. High on the slopes of the Sierra Nevada the largest trees in the world grow, the sequoias. Jane Bosveld follows the growth of a seedling through its thousand year life, merging botany with human history. "While the tree was growing, it was visited by generations of Native Americans while Leonardo da Vinci painted the Mona Lisa and Thomas Edison invented the phonograph; and while this same tree was growing, you were born." Children ages 7-14 learn the long-term value of old growth forests.

## **Why Does the Cat Do That?**

FREE

Berkeley Public Library

<http://www.infopeople.org/bpl/>  
636.8 B643w

By Susan Bonners. Bonners uses a two-part approach to explain feline behavior. On one side of the page she introduces Bob, a young man who is pet-sitting for a cat. Not familiar with these animals, he constantly wonders about Molly's actions. On the opposite page, the author presents a scientific explanation of each behavior. Small watercolor-and-ink drawings appear on both sides of the page. The information is boxed and set off by a different typeface. The pictures on these pages show a mix of wild and domestic cats; the wild species (e.g., a cougar, a lion, and a lynx) are named but breeds are not provided for the domestic cats. This inconsistent labeling as well as the switching back and forth from story to fact might be confusing to children. Still, the information is accurate and presented in an unusual way. The book will leave readers informed but still curious.

## **World of Wild Animals: An Early Encyclopedia for Beginning Readers**

\$4-5

Amazon.com

[http://www.amazon.com/World-Wild-Animals-Encyclopedia-Beginning/dp/080698452X/ref=sr\\_1\\_1](http://www.amazon.com/World-Wild-Animals-Encyclopedia-Beginning/dp/080698452X/ref=sr_1_1)  
ISBN: 080698452X

Where do gorillas sleep? How far can a kangaroo jump? Why do lions roar? What do elephants use their trunks for? Are foxes very clever? Children who love animals (and is there any youngster who doesn't?) will delight in finding the answers to these and other fun questions--as well as in looking at photos of their favorite creatures. They'll see a killer whale floating across calm waters and a dolphin leaping high, brown grizzlies and snowy white polar bears, a wild cat that resembles a pet kitty, fierce leopards, tall giraffes, a horned rhinoceros, soaring eagles, and other appealing, intriguing wildlife favorites.

## Computer Software

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### **Sidewalk Science: Bugs**

\$35-40

Tom Snyder Productions

<http://www.tomsnyder.com>

Bugs: Explorations in Life Science features six neighborhood kids -- Ben, Kevin, Kate, Lee, Nora, and Susan -- and their pets. The action in Bugs takes place right after Nora moves on to the block with her cat, Buzzy. Nora, who is a little bit nuts about insects, soon has the other kids caught up in her enthusiasm. The "sidewalk scientists" not only observe insects and learn about insect behavior but even imitate insects -- by building models and puppets, simulating sounds and making music.

## Kits & Modules

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### **Birds Nature Kits**

\$25-30

Wildcare

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

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.

### **Brassica rapa, Trial-Sized Get Acquainted Kit**

\$15-20

Carolina Biological

<http://www.carolina.com>

WW-15-8690

The Get Acquainted Kit contains everything you need: seed, soil, fertilizer, wicks, miniature watering system, pollination supplies, stakes, labels, plus our complete Growing Instructions booklet. Please keep in mind that proper lighting is essential for success with Rbr plants. The minimum light requirement for this 1-quad kit is 24-hour, cool-white fluorescent light, placed within several centimeters of the growing tips. (A height-adjustable 2-bulb fluorescent desk lamp may provide adequate, but not ideal, lighting.) Plant a one-quad (four-cell) unit of seed and observe the entire life cycle in 35 to 40 days.

### **Butterfly and Moths Nature Kits**

\$25-30

Wildcare

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

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

<b>Frog Hatchery Kit</b>	\$25-30
Insect Lore	
<i>http://www.insectlore.com</i>	
888	
Watch tiny frog embryos change into wriggling tadpoles, which then develop into frogs! This fascinating and educational project kit stimulates interest by allowing young scientists to actually experience what they normally only read about - the amazing process of metamorphosis. Frog embryos and tadpoles are easy to care for in the clear plastic aquarium provided, and close-up observation is possible with the hand-held magnifier. Includes a flexible plastic aquarium (7" x 5" x 4" - smaller than the unit price)	
<b>Fungi Specimen Kits</b>	\$10-15
Tilden Nature Area-Tilden Regional Park	
<i>http://www.ebparks.org</i>	
2 week rental. Life cycles of plants and fungi can be compared. Displays incorporate mounted specimens. Hinged to the sides of each display are text panels printed with natural history information. Three different displays can include: Shelf Fungi, Witches Butter, Lichens, Death Cap, Fly Agaric, Panther Fungus, Waxy Cap, Emetic Russula, Puffball, and Milky Cap.	
<b>Mammals Nature Kits</b>	\$25-30
Wildcare	
<i>http://www.wildcarebayarea.org/site/PageServer?pagename=NatureEducation_Programs_NatureL</i>	
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.	
<b>Seed Identification Kit SID Seed Identification Kit</b>	\$30-35
Genesis Inc	
<i>http://www.pellet.com</i>	
#SID	
EACH KIT INCLUDES:	
1 Instructors Guide containing information about the importance of seeds, 7 different classroom activities with detailed teaching procedures along with specific observation questions for each activity	
39 Real Tree Seeds with each seed carded, labeled, and bagged.	
Seed key for unknowns in kit	
Sprouting seed kit	
Seeds to grow your own tree.	
Nuts, berries, pods, wings, acorns and more	
<b>Snails and Slime Trails</b>	\$10-15
Acorn Naturalists	
<i>http://www.acornnaturalists.com/store/SNAILS-AND-SLIME-TRAILS-URBAN-LIFE-SCIENCE-MOI-KIT-11</i>	
Bizarre Beasts Fan Club Series from Acorn Naturalists. This creative, hands-on kit for studying garden snails contains a clear polystyrene petri dish for observing snail foot undulations, a magnifying lens, snail information card, anatomy card, radula model, directions, and background information. Hands-on learning fun for children ages 6-11. A one-of-a kind kit exclusively from Acorn Naturalists. #KIT-11.	

**Specialized 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 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.

## Posters/Pictures/Slides

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**Bats of the Western Forest** \$6-7  
Bat Conservation International

<http://www.batcon.org>  
P-8

A full color poster illustrated by David Chapman illustrating bats found in the Western forests of the United States. Size is 36" x 24".

**Bats Poster** \$7-8  
Bat Conservation International

<http://www.batcon.org>  
P-3

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.

**Fresh Fruit and Vegetable Photo Cards** FREE  
California Healthy Kids Resource Center

<http://www.hkresources.org>  
#6890

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.

**Frog Metamorphosis Poster** \$6-7  
Insect Lore

<http://www.insectlore.com>  
153

Superb watercolor art depicts the life cycle of the frog. 18" by 24".

<b>Local Butterflies of the San Francisco Bay Area</b>	\$7-8
The Watershed Project	
<i><a href="http://www.thewatershedproject.org">http://www.thewatershedproject.org</a></i>	
This laminated "quick-guide" to commonly seen local butterflies also identifies favorite food and nectar plants for the garden. Published by Local Birds, Inc.	
<b>Mac's Field Guide of Good and Bad Garden Bugs of California</b>	\$5-6
The Watershed Project	
<i><a href="http://www.thewatershedproject.org">http://www.thewatershedproject.org</a></i>	
This laminated guide provides pictures and typical habitat and food for both good and bad garden bugs commonly found in California. Published by The Mountaineers Books.	
<b>Silkworm Life Cycle Poster</b>	\$6-7
Insect Lore	
<i><a href="http://www.insectlore.com">http://www.insectlore.com</a></i>	
154	
The fascinating lifecycle of the silkworm comes to life on this poster. Drawn in beautiful detail are the Eggs, Larvae, Cocoon and adult Silkworm moth. Printed on top quality paper in full color. Measures 19" X 25".	
<b>Survival by Camouflage (Microslide set)</b>	\$10-15
Acorn Naturalists	
<i><a href="http://www.acornnaturalists.com/">http://www.acornnaturalists.com/</a></i>	
#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.	
<b>The Forest Cycle</b>	FREE
The Forest Foundation	
<i><a href="http://www.calforests.org/foundation">http://www.calforests.org/foundation</a></i>	
This poster compares the life cycle of a tree to our own human cycle. The beautiful graphic on this poster is surrounded by the explanation of the distinct phases of growth, maturation and decline.	
<b>The Frog Life Cycle Poster</b>	\$6-7
Insect Lore	
<i><a href="http://www.insectlore.com">http://www.insectlore.com</a></i>	
153	
Superb watercolor art depicts the lifecycle of the frog. 18" by 24".	
<b>The Most Common Trees in California Forests</b>	FREE
The Forest Foundation	
<i><a href="http://www.calforests.org/foundation">http://www.calforests.org/foundation</a></i>	
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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### **Adult Mealworm 12 pack**

\$20-25

Insect Lore

<http://www.insectlore.com>

69

Laying hundreds of eggs, this dozen adult Darkling beetles are a great way to start a balanced Mealworm culture. Use them to revive your Mealworm Culture kit, for study and care, or just for the simple amazement of viewing them! Comes with detailed instructions for their care.

### **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.

### **Brassica Butterfly Eggs**

\$10-15

Carolina Biological

<http://www.carolina.com>

144100

This classroom butterfly, *Pieris rapae*, can be raised entirely on plants from the brassica family. Place the paper strip with eggs gently on a leaf and watch the tiny green caterpillars eat and grow. Move the larger caterpillars to brussels sprouts or to other readily available vegetables from the brassica family until the pale green chrysalids are formed. Attractive, white butterflies will appear in about 30 days. Complete instructions include rearing tips, feeding activities, behavior studies, and more. A unit of eggs should result in at least 5 or 6 caterpillars. A 2-week notice for orders of 10 units or more is needed. Note: Sow radish, turnip, or Fast Plants® seed about a week before your butterfly eggs arrive, allowing at least 10 plants per unit of eggs.

## **Butterfly Farm Monarch and Painted Lady rearing kit with certificate**

\$35-40

Educational Science: Online Science & Nature Store

<http://educationalscience.com/index.htm>

BF400

Compare the life cycles of the monarch and Painted Lady Butterfly. Grow a milkweed plant and study the interaction and development of plant and the monarch butterfly. Kit includes one certificate for 3-6 monarch larvae and 3-6 Painted lady larvae. Watch monarch larvae grow into beautiful 4 inch butterflies. Witness the monarch caterpillar transform into a beautiful jade green chrysalis (10 days) and later emerge as a butterfly! The kit includes certificate for 3-6 Monarch larvae (2-3 day Priority Mail shipping included), artificial monarch diet or milkweed leaves, feeding cups, rearing cage, larvae brush, forceps, butterfly feeding kit (pictured feeder not included), pop-up observation, emergence, and breeding cage, milkweed seeds (you must first grow or obtain a milkweed plant - cat. no. BF100A) before mailing in the live material certificate), monarch lifecycle chart, and complete instructions. Watch painted lady caterpillars grow into beautiful orange and black butterflies. Witness the caterpillar's transition as it grows into a golden brown chrysalis (7 days) and later emerges as a Painted Lady butterfly. The kit includes certificate for 3-6 Painted Lady larvae(2-3 day air shipping included), artificial diet, rearing cups, larvae brush, feeding kit, observation, emergence, and breeding tent, and complete instructions. Excellent for young children as the Painted Lady caterpillars require very little care. Ages 6 and up. Recommended optional cages: Pop-Up Butterfly Terrarium LH30(flight cage) or LH175(breeding cage), as seen on our home page Note: Pictured feeder not included.

## **Certificate for School Kit Larval Refill**

\$40-45

Insect Lore

<http://www.insectlore.com>

#403

Mail away this free coupon for 33 Painted Lady caterpillars, 33 individual vials and lids, and special food with complete instructions as a refill for your Butterfly Pavilion School Kit, or if you need additional butterflies. Two-thirds are guaranteed to hatch into beautiful butterflies.

Shipment of caterpillars to within the continental U.S. and Alaska only. Please allow approximately 3 weeks for your larvae to develop. Butterfly Habitat house not included.

## **Fertile Chicken Eggs**

\$25-30

Carolina Biological

<http://www.carolina.com>

139290

These eggs are suitable for incubation and will hatch in 21 days. Fertility will vary with the season (highest fertility February to June). Unit of 12 eggs. We must receive your order 2 weeks before the use date to guarantee delivery date. Eggs are shipped on Tuesdays only.

## **Fertilized chicken Eggs**

\$1-2

Niles Biological

<http://www.nilesbio.com>

Seasonal, please call for availability. 1.20/each or 12.00 for a dozen

## **Frog Eggs**

\$10-15

Niles Biological

<http://www.nilesbio.com>

Rana pipiens (grass frog) egg mass \$12/mass

<b>House Fly Larvae, pack of 100</b>	\$10-15
Carolina Biological	
<i>http://www.carolina.com</i>	
14-4410	
House fly larvae will mature and pupate 3-5 days after receiving order. Comes with instructions	
<b>House Fly Pupae, pack of 150</b>	\$10-15
Carolina Biological	
<i>http://www.carolina.com</i>	
144412	
House fly pupae mature at room temperature 3-4 days after being received. With instructions.	
<b>Ladybird beetles</b>	\$7-8
Insect Lore	Local garden stores also sell ladybugs in the spring and summer
<i>http://www.insectlore.com</i>	
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.	
<b>Ladybugs</b>	\$8-9
Niles Biological	
<i>http://www.nilesbio.com</i>	
\$9 for 50 ladybugs.	
<b>Mealworm Culture Kit</b>	\$45-50
Insect Lore	
<i>http://www.insectlore.com</i>	
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.	
<b>Painted Lady Butterfly Larvae School Kit</b>	\$40-45
Niles Biological	
<i>http://www.nilesbio.com</i>	
Set of 33 butterfly larvae, with food included	

<p><b>Plants Prepared Slide Kit</b> Lakeshore Learning Store <i>http://bit.ly/1xhzswd</i> tem# LC3541 Children get an up-close look at plants with 12 ready-to-use slides! Plastic slides are 2 1/4".</p>	<p>\$10-15</p>
<p><b>Silkworm eggs</b> Kate Bartolome <i>http://www.k8sbooks.com</i>  Resource information and free silkworms from the end of March to the end of April only. Silkworms can be used to observe life cycles.</p>	<p>FREE</p>
<p><b>Spicebush Swallowtail Pupa</b> Carolina Biological <i>http://www.carolina.com</i> CD-14-4080 \$4.25 each, or \$4.10 each for orders of 3 or more. Add excitement to your classroom projects with the unusual beauty and variation of these species. You can store pupae for over 3 months in the refrigerator; they take about 2 weeks at room temperature to develop. Wingspans range from 3-5.5 inches. Available October-May. If your selection is not available, we may substitute another species.</p>	<p>\$6-7</p>
<p><b>Standard Stock Seeds</b> Carolina Biological <i>http://www.carolina.com</i> 158804 Pack of 50 seeds. The Standard Stock represents the standard form and performance for Wisconsin Fast Plants. Plants have been selected to have a uniform, short flowering time (14 days) under ideal growing conditions of continuous light, water, and nutrition. The entire life cycle is short; under ideal growing conditions, plants will produce harvestable seeds approximately 40 days after planting. Average plant height at day 14: 15 cm. For investigations in life cycles, environmental science, botany, comparative morphology, and physiology.</p>	<p>\$10-15</p>
<p><b>Tadpoles</b> Niles Biological <i>http://www.nilesbio.com</i>  \$12/dozen. Tadpole algae water available for \$3.50/bag. <i>Rana pipiens</i> (grass frog). Tadpoles are available seasonally in the springtime.</p>	<p>\$10-15</p>
<p><b>Tiger Swallowtail Pupa</b> Carolina Biological <i>http://www.carolina.com</i> CD-14-4086 \$4.25 each, or \$4.10 each for orders of 3 or more. Add excitement to your classroom projects with the unusual beauty and variation of these species. You can store pupae for over 3 months in the refrigerator; they take about 2 weeks at room temperature to develop. Wingspans range from 3-5.5 inches. Available October-May. If your selection is not available, we may substitute another species.</p>	<p>\$6-7</p>

## Stickers/Games

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### **Puma Activity Book**

Felidae Conservation Fund

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

FREE

Available free online 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 Child's Garden of Standards:**

California Department of Education

<http://www.cde.ca.gov/re/pn001579>

Linking School Gardens to California Education Standards,

\$15-20

### **Access Nature**

National Wildlife Federation

<http://www.nwf.org>  
Item #NWFNL5

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.

\$35-40

### **Construct-a-Greenhouse**

National Science Teachers Association

[http://www.nsta.org/store/product\\_detail.aspx?id=10.2505/9780873551793](http://www.nsta.org/store/product_detail.aspx?id=10.2505/9780873551793)

Shed some light on the physics supporting plant growth in a controlled environment. Greenhouses provide the differential energy needs of plants during their growth cycle. Students design structures that convert light to heat during germination and reconfigure those structures to promote photosynthesis. By comparing the effects of design characteristics on plant growth, students observe the connections between plant biology and thermodynamics and energy transfer.

\$15-20

### **Creating a Butterfly Garden**

Amazon.com

[http://www.amazon.com/Creating-Butterfly-Garden-Marcus-Schneck/dp/0671892460/ref=sr\\_1\\_1?sr=1-1](http://www.amazon.com/Creating-Butterfly-Garden-Marcus-Schneck/dp/0671892460/ref=sr_1_1?sr=1-1)  
ISBN: 0671892460

Practical and beautiful, this book shows how to attract butterflies to a back yard garden--and turn it into a fluttering paradise. Marcus Schneck explains the life cycles, migration patterns, and mating behavior of these creatures, and offers invaluable information on everything from pesticide-free garden maintenance to the use of feeders.

\$8-9

<b>Cycles of Knowing and Growing</b>	\$20-25
AIMS Education Foundation	
<i><a href="http://www.aimsedu.org/item/p-1108/cycles-of-knowing-and-growing-1-3/1.html">http://www.aimsedu.org/item/p-1108/cycles-of-knowing-and-growing-1-3/1.html</a></i>	
1108	
21 activities - 179 pages - Explore the cyclical changes common to living systems. As students observe plant, animal, and Earth cycles they will see living things change over time. Students also will become aware of predictable patterns in their own lives.	
<b>Educator's Activity Book about Bats</b>	\$10-15
Bat Conservation International	
<i><a href="http://www.batcon.org">http://www.batcon.org</a></i>	
B-19	
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.	
<b>From Snake Skins to Bird Beaks: Animal Adaptations</b>	\$4-5
Acorn Naturalists	
<i><a href="http://www.acornnaturalists.com/">http://www.acornnaturalists.com/</a></i>	
#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!	
<b>GrowLab: Activities for Growing Minds</b>	\$20-25
National Gardening Association	
<i><a href="http://www.garden.org">http://www.garden.org</a></i>	
#10-4008	
This K-8 curriculum will bring plant-based inquiry to life by helping you spark students' curiosity about plants and engage them in thinking and acting like scientists, whether you're growing on a windowsill, in a greenhouse or in one of our GrowLab Indoor Gardens. Concepts Covered: Beginning with Seeds, Basic Needs, The Soil Connection, Transport and Support, Plants as Food Makers, Plants from Seeds and Parts, Adaptations, Diversity, Interdependence, and Human Impact on the Global Garden. Subjects from language arts to drama are woven into investigations. Includes reproducible record-keeping sheets and assessment sheets.	
<b>I Toad You So: Curriculum Activity Guide</b>	\$15-20
Insect Lore	
<i><a href="http://www.insectlore.com">http://www.insectlore.com</a></i>	
891	
76 pages. For Pre-K through 3rd grade teachers. Perfect for use with any live frog kit, this activity guide comes packed with over 50 Frog activities. 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 - 29 different sections in all. You'll love the "Hoppy-go-lucky" decorative effects throughout. Contents include: Froggy Facts, ABD Lilly Pad Hop, Twice Painted Sunflowers, Frog On a Log Thumbpri	

<b>Insect Musicians and Cricket Champions</b>	\$6-7
Amazon.com	
<a href="http://www.amazon.com/Insect-Musicians-Cricket-Champions-Cultural/dp/0835125769/ref=sr_1_1">http://www.amazon.com/Insect-Musicians-Cricket-Champions-Cultural/dp/0835125769/ref=sr_1_1</a>	
ISBN:978-0835125765	
This book brings to light a multitude of unexpected details of the cricket as mythological symbol, artistic subject, literary metaphor, and scientific specimen. Perhaps most fascinating of all is the cricket lore of China and Japan, where keeping pet crickets is a national pastime with a history reaching back a thousand years.	
<b>Integrating Mathematics, Science, and Language (Paso Partners): A</b>	\$25-30
SEDL	
<a href="http://www.sedl.org">http://www.sedl.org</a>	
TRNG-10	
Authors: B. J. Mace Matluck, Norma G. Hernandez. Paso Partners applies the best emerging strategies and materials for teaching and integrating mathematics, science and language development. Volume I topics include: Five Senses, Spiders, Dinosaurs, Plants and Seeds, Human Body, Good Health. Lessons in English and Spanish available to download online at <a href="http://www.sedl.org/scimath/pasopartners">http://www.sedl.org/scimath/pasopartners</a>	
<b>It Must Be a Bird + Big Book</b>	\$20-25
AIMS Education Foundation	
<a href="http://www.aimsedu.org/item/1191/it-must-be-a-bird-plus-big-book-pre-k-2/1.html">http://www.aimsedu.org/item/1191/it-must-be-a-bird-plus-big-book-pre-k-2/1.html</a>	
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!	
<b>Junior Master Gardener: Golden Ray Series--Wildlife Gardener</b>	\$30-35
Texas Cooperative Extension	
<a href="http://tce.tamu.edu/">http://tce.tamu.edu/</a>	
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	
<b>Ladybug! Ladybug! preK-3rd idea book</b>	\$15-20
Insect Lore	
<a href="http://www.insectlore.com">http://www.insectlore.com</a>	
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.	
<b>Sing the Science Standards Songbook</b>	\$25-30
Science Explosion, Inc.	
<a href="http://www.scienceexplosion.com">http://www.scienceexplosion.com</a>	

Join the "Science Explosion" as they sing over 50 songs written to the Science Standards. This is a great way for students in elementary and middle school to review the most important ideas in science. Songbook includes lyrics for the over 50 songs on the double-CD. Bring the Science Standards to life with "Sing the Science Standards with the Science Explosion."

### **Sunflower/Girasol Bilingual Science Discovery Kits**

\$70-80

Intercultural Center for Research in Education

<http://www.incre.org>

Classroom set of 30 + Teacher Guide. Student Activity Books and Bilingual Memory Game sold separately. Sunflower/Girasol is a fully bilingual Spanish/English curriculum designed to encourage students to develop language skills and at the same time to turn their interest to the world of scientific discovery. The full-color format of Sunflower/Girasol invites children in grades 2-6 to engage in science and environmental education activities and to carry out investigations in their schools, homes and communities. Each thematic unit of Sunflower/Girasol is presented in a full-color magazine format activity book in either Spanish or English, with an accompanying teacher's guide. The first six units of Sunflower/Girasol are Plants, Water, Human Body, Air, Trash and Sound.

### **Teacher Guides - Sunflower/Girasol Bilingual Series**

\$10-15

Intercultural Center for Research in Education

<http://www.incre.org>

Teacher Guides - Sunflower/Girasol is a fully bilingual Spanish/English curriculum designed to encourage students to develop language skills and at the same time to turn their interest to the world of scientific discovery. The full-color format of Sunflower/Girasol invites children in grades 2-6 to engage in science and environmental education activities and to carry out investigations in their schools, homes and communities. Each thematic unit of Sunflower/Girasol is presented in a full-color magazine format activity book in either Spanish or English, with an accompanying teacher's guide. The first six units of Sunflower/Girasol are Plants, Water, Human Body, Air, Trash and Sound.

### **The Butterfly Garden: Turning Your Garden, Window Box, or Backyard into a** Amazon.com

\$6-7

[http://www.amazon.com/Butterfly-Garden-Backyard-Beautiful-Butterflies/dp/0916782697/ref=sr\\_1\\_1](http://www.amazon.com/Butterfly-Garden-Backyard-Beautiful-Butterflies/dp/0916782697/ref=sr_1_1)  
ISBN: 0916782697

Mathew Tekulsky brings how-to instructions. He begins with an informative, simple description of the lives and habits of some 50 common butterflies, giving gardeners much of what they need to know; then he explains the variety of plants daisies, marigolds, dogwood, etc. that provide butterflies with food and nectar. He offers good advice on how to lure butterflies and how to turn the garden into a haven for them: selecting sunny spots, providing shelter from the wind, assuring abundant drinking water. An appendix describes butterfly migration, nectar preference, habitats, etc. and lists sources for supplies and further information.

### **Windowsill Science Centers**

\$4-5

Amazon.com

[http://www.amazon.com/Windowsill-Science-Centers-Grades-K-3/dp/0590743953/ref=sr\\_1\\_1?s=b](http://www.amazon.com/Windowsill-Science-Centers-Grades-K-3/dp/0590743953/ref=sr_1_1?s=b)  
ISBN: 0590743953

by Lynne Kepler . Spark your students' interest in science with these fun, teacher-tested experiments and activities that require only the simplest of supplies and your classroom windowsill! Favorite topics like seeds and plants, evaporation, light and shadow, and animal observation will get your students thinking like scientists!

## Tools/Equipment

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<b>Chicken Egg Incubator, Still-Air Picture Window</b>	\$200-250
Carolina Biological	
<i>http://www.carolina.com</i>	
701194C	
Designed with a 14 × 14" clear plastic window for viewing the incubation and hatching process. Large picture window is double-plate, clear plastic with air space insulation. Unit includes Turbofan (WW-70-1191B). Size, 18 × 18 × 7 1/2". Capacity, 70 chicken eggs. Wt, 5 lb. Catalog #70-1194	
<b>Delta Terraria</b>	\$4-5
Delta Education	
<i>http://www.delta-education.com/</i>	
033-6836	
Assemble several terraria in the classroom. These plastic transparent containers are provided with lids with holes. 6-Liter, 12" x 7".	
<b>House fly larvae, 12 count</b>	\$0-1
East Bay Vivarium	
<i>http://www.eastbayvivarium.com/</i>	
Larvae will mature in room temperature in about a week.	
<b>Incubator Set, Still-Air Picture Window</b>	\$180-200
Carolina Biological	
<i>http://www.carolina.com</i>	
# 70-1194C	
Includes Still-Air Picture Window Incubator (WW-70-1194) with Turbofan (WW-70-1191B) and Automatic Egg Turner (WW-70-1191A). 110-V AC.	
<b>Incubator, Turn-X</b>	\$700-800
Carolina Biological	
<i>http://www.carolina.com</i>	
701222	
Model TX-6. See-through incubator with fan that circulates air to maintain warmth and humidity. Exterior water fountain holds 3- to 6-day visible supply. Built-in memory activates automatic turner once an hour to turn eggs over in a gentle 30-second movement. Automatic humidity and temperature control, with solid-state thermostat for accurate temperature control. Wafer-snap heater switch control. Has 2 thermometers; a wet bulb for indicating humidity and a dry bulb for recording temperature. Location of thermal control allows capacity of 18 chicken eggs. Catalog #70-1222	
<b>Painted Lady Butterfly Life Cycle Replicas</b>	\$5-6
Insect Lore	
<i>http://www.insectlore.com</i>	
476	
These meticulously designed Painted Lady lifecycle figures are an educational accessory to any of our live butterfly kits. The accurately detailed Egg, Larva, Chrysalid and Adult butterfly replicas are oversized for little hands. Ages 4 & up.	

## Top Hatch Incubator

Carolina Biological

\$180-200

<http://www.carolina.com>

701200

Brower. UL® approved. The built-in fan keeps heat evenly distributed. Heat source is a 60-W bulb with a candelabra base. The unit is designed so the light is also an egg candler. Eggs can be turned without removing the clear top. An automatic egg turner is included. The egg-holding unit is dishwasher safe to ensure a clean surface after each hatch. Egg capacities: 48 chicken eggs, 140 quail eggs, 64 pheasant eggs, 32 turkey eggs, and 16 goose eggs. Diameter, 18"; wt, 9 1/2 lb. Catalog #70-1200

## Video

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### 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: Butterflies

\$35-40

GPN Educational Media

<http://shopgpn.com/>

Product Code: 686.0003V

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.

Delight your students with a bouquet of butterflies--sometimes called "flying flowers"--as they learn about:

- The metamorphosis from egg to cocoon to butterfly.
- The unusual ways in which a caterpillar uses its antennae, proboscis, and feet.
- How to make a butterfly mobile.

### Backyard Safari: Color

\$35-40

GPN Educational Media

<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: Trees**

\$35-40

GPN Educational Media

<http://shopgpn.com/>

Product Code: 686.0011V

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 children will explore the wonders of trees, including:

- How trees grow from tiny seeds to towering giants.
- What features trees have in common and how they differ.
- What types of animals make trees their home.

## **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 the Science Guy: Reptiles & Insects (1993)**

\$20-25

Amazon.com

[http://www.amazon.com/Bill-Nye-Science-Guy-Reptiles/dp/6303439314/ref=sr\\_1\\_cc\\_1?s=aps&ie=ASIN: 6303439314](http://www.amazon.com/Bill-Nye-Science-Guy-Reptiles/dp/6303439314/ref=sr_1_cc_1?s=aps&ie=ASIN: 6303439314)

VHS.

Science goes "Boing!" when Bill Nye shows up, and this fast-moving installment of his popular show is no exception. Reptiles--Leapin' Lizards! uses the Science Guy's trademark wacky sounds and visual effects to get across a wide range of facts about some of our cold-blooded relatives and, as an added bonus, makes science and scientists look cool. We get to see venomous snakes, hissing cockroaches, and angry crocodiles in the safety of the living room.

## **Bill Nye: Flowers**

\$35-40

Disney Education Products

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

68C8IVL00

The role of flowers in plant reproduction, including a look at seeds and pollination.

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: Insects DVD**

\$45-50

Disney Education Products

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

77A13VL00

In "Insects," Bill talks to special guest Queen Latifah, who's abuzz about her other favorite queens--bees. The lab kids go exploring at an insectorium and go digging for insect fossils. In addition to the complete 26-minute episode of "Insects," this disk is loaded with incredible DVD features like:

- \*Fully indexed "chapters" correlated to National Science Standards.
- \*Interactive glossaries and quizzes.
- \*Bonus footage of never-before-seen segments, interviews, and demos.
- \*Spanish translation

### **Bill Nye: Life Cycles**

Disney Education Products

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

68E35VL00

Explore why many different living things have similar life cycles.

\$35-40

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: Mammals**

Disney Education Products

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

68C06VL00

Take a look at the similarities and amazing diversity of the mammal family, from tiny to human to huge! Generally videos are paced for older students and can help reinforce "why" of science concepts is fun in format.

\$35-40

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

### **Discovery Channel Animal Adaptation Videos**

DEMCO Library & School Supply

<http://www.demco.com>

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.

\$25-30

### **Eyewitness: Amphibian**

Acorn Naturalists

<http://www.acornnaturalists.com/store/EYEWITNESS-AMPHIBIAN-VIDEO-P2344C0.aspx>

V-4214

35 min. Students are fascinated by frogs, salamanders, toads, and the other creatures that live in the water and on land too! This video clearly categorizes the various kinds of amphibians and describes their unique lifestyles. Frogs practically jump off your screen!

\$6-7

### **Insect Eyewitness Video**

DEMCO Library & School Supply

<http://www.demco.com>

WL17165440

Eyewitness Series video about insects as seen on PBS.

\$10-15

<b>Insects and Spiders Primary Discovery Pack</b>	\$70-80
DEMCO Library & School Supply	
<i>http://www.demco.com</i>	
WL17109250	
Pre-Selected books, videos, and samples. Children are engrossed by insects and spiders, making them a terrific vehicle for primary level observation and classification skills. Explore the miniature world of bugs with the engaging contents of this Discovery Pack. Interest Level: Kindergarten–Grade 3	
<b>K - 12 Online Animal Videos &amp; Media</b>	FREE
PBS Learning Media	
<i>http://www.teachersdomain.org</i>	
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.	
<b>Kids Discover Bats!</b>	\$10-15
Bat Conservation International	
<i>http://www.batcon.org</i>	
AV6	
Endorsed by Janell Cannon, award-winning author and illustrator of <i>Stellaluna</i> , 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.	
<b>National Geographic's: Farmyard Friends (1997)</b>	\$9-10
Amazon.com	
<i>http://www.amazon.com/National-Geographic-Animals-Farmyard-Friends/dp/B002RYPTCQ/ref=sr</i>	
Differences between farmyard animals such as sheep, turkeys, and pigs and their wild ancestors are explored. The latter portion of the video examines endangered species, what real-life superheroes are doing to preserve these animals and their habitats, and how kids can help by learning, teaching, protecting, and volunteering. DVD.	
<b>Reptile Eyewitness Video</b>	\$10-15
Amazon.com	
<i>http://www.amazon.com/Reptile-Eyewitness-Video-DK-Publishing/dp/1564589188/ref=sr_1_1?s=t</i>	
Eyewitness Series video about reptiles as seen on PBS.	
<b>Seashore Surprises (Reading Rainbow Episode 88)</b>	\$25-30
GPN Educational Media	
<i>http://shopgpn.com/</i>	
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.	

<p><b>Seasons and Changes Video</b> DEMCO Library &amp; School Supply</p>	<p>\$15-20</p>
<p><i>http://www.demco.com</i> WL17112530</p>	
<p>Leaves on the trees aren't the only change that occurs each season! Give children a new understanding of how the seasons affect all things in nature through this collection of short stories. Included in this video are: The Mysterious Tadpole, The Caterpillar and the Polliwog, and Time of Wonder. 29 minutes. Interest Level: PreK-Grade 2.</p>	
<p><b>See How They Grow: Insects &amp; Spiders (1995)</b> Amazon.com</p>	<p>\$15-20</p>
<p><i>http://www.amazon.com/See-How-They-Grow-Insects/dp/6303588921/ref=sr_1_1?ie=UTF8&amp;qid=</i></p>	
<p>Video starts from the first hours of life. The camera allows you to be right there animated examples show how each animal grows in a way even very young children can understand and enjoy!!!</p>	
<p><b>The Magic School Bus - Gets Ants in its Pants</b> Amazon.com</p>	<p>\$6-7</p>
<p><i>http://www.amazon.com/The-Magic-School-Bus-Pants/dp/1568327439/ref=sr_1_4?ie=UTF8&amp;qid=</i></p>	
<p>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.</p>	
<p>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.</p>	
<p><b>Trees</b> Teacher's Video Company</p>	<p>\$25-30</p>
<p><i>http://www.teachersvideo.com</i> Product # : 353867</p>	
<p>From bonzais to huge sequoias, trees are amazingly strong, resilient, and resourceful life forms. How do trees communicate with each other? How do experts determine the age of trees? What is the primary function of bark? How do roots work? Why are trees important to human beings? Discover the answers!</p>	