

# Junior Girl Scout Science in Everyday Life Merit Badge

Acorn Naturalists specializes in resources that encourage and enhance Girl Scout outdoor adventures, activities, skills, crafts, patch and award programs. Girl Scouts and outdoor education and service leaders are encouraged to visit our online and physical store, each filled with activities that supplement Girl Scout programs. We offer a wide selection of literature and lore on Girl Scout camping, nature crafts, patch and award programs.

The resources listed below can easily be found on the Acorn Naturalists website. When visiting [acornnaturalists.com](http://acornnaturalists.com) simply type in all or part of resource name into the search field located on every web page. You can then easily order online using our secure order form, or simply call us directly at (800) 422-8886. If you are in the area, visit us in person at our store (155 El Camino Real, Tustin, California 92780), or call to request our 200 page print catalog describing over 8000 hands-on education resources. We look forward to helping Girl Scouts achieve a high level of adventure, education and outdoor learning while developing valuable skills and, of course, having a lot of fun.

This resource list has been developed by educators familiar with Girl Scout handbook, merit badge and award requirements, and is offered to enhance and enrich Girl Scout education activities described in those resources. Specific learning resources should be selected based on local environments and interests as they complement official Girl Scout programs, projects, patches, awards and activities.

## Activity 4 - Forces of Nature

Dr. Art's Guide to Science (#EE-14068)  
Ecosystems in Action: Life in a River (#WTR-12281)  
Elements of Science Activity Kit (#KIT-14723)  
Eyewitness Pond and River DVD (#DVD-15227), Video (#V-5119) and Book (#B-13392)  
Healthy Rivers: A Water Course CD-ROM (#CD-14264)  
River Cutters, Connecting Atoms, Galaxies and Everything In Between (#GEMS-1248)  
River Wild, an Activity Guide to North American Rivers (#WTR-14278)  
Rivers, the Hands-on Approach to Geography (#WTR-12282)  
The Way Science Works {In Store} (#STO-51287)

## Activity 6 - Color Mixing

Chemical Reactions (#GEMS-3062)  
Color Analyzers (#GEMS-3052)  
DR. Art Does Science DVD (#DVD-14063)

Dr. Art's Guide to Science (#EE-14068)  
Eyewitness Book: Light {In Store} (#STO-52372)  
The Way Science Works ({In Store} (#STO-51287)

## **Activity 7- Rockin' Along**

American History through Earth Science (#B-11204)  
Discover Nature in the Rocks, Things to Know and Things to Do (#FR-6393)  
Eyewitness Rock and Mineral DVD (#DVD-14703), Video (#V-7249) and Book (#FR-13425)  
Facts on File Dictionary: Earth Science (#FR-16160)  
Geology Rocks! (#FR-8334)  
Get Outdoors! Rock & Fossil Field Pack (#KIT-16263)  
Project Earth Science: Geology (#FR-5190)  
Rock and Soil, Skin of the Earth (#FR-13078)  
Smithsonian: Rock and Fossil Hunter (#FR-13283)  
Stone Wall Secrets (#B-7252)  
Take-Along Guide to Rocks, Fossils and Arrowheads (#FR-10196)  
The Rock Cycle Activity Kit (#KIT-14293)

## **Activity 8- How Much Time?**

The Way Science Works {In Store} (#STO-51287)  
Eye Know: Time {In Store} (#STO-54280)

## **Activity 10 - The Key, Please**

### **Trees**

Eyewitness Tree Book (#BP-13577) and Video (#V-7228)  
Golden Field Guide to Trees of North America (#FG-6258)  
Golden Guide to Trees (#FG-2410)  
National Audubon Society Field Guide to Trees, Eastern (#FG-2377) & Western (#FG-2378)  
National Geographic Field Guide to the Trees of North America (#BP-14482)  
Nature Finder Tree Guides (Various Regions Available)  
Nature Scope: Trees are Terrific (#BP-16159)  
Peterson Field Guide to Eastern Trees (#FG-2320)  
Peterson Field Guide to Western Trees (#FG-2346)  
Peterson First Guide to Trees (#FG-2361)  
Peterson Flash Guide to Trees (#FG-5099)  
Pocket Naturalists Laminated Field Guide to Trees (#FG-12273)  
Reader's Digest Field Guide to trees and Nonflowering Plants of North America (#FG-9364)  
Starting with Nature Tree Book (#BP-8305)  
Take a Tree Walk (#BP-11197)  
Take-Along Guide to Berries, Nuts and Seeds (#BP-5182)  
Take-Along Guide to Trees, Leaves and Bark (#BP-5170)  
The Audubon Society Pocket Guide to Eastern (#FG-654) and Western (#FG-655) Trees  
Tree Identification Guide (#T-11196)  
Tree Identification Kit (#KIT-8303)  
Trees and Leaves CD Rom & Book (#B-13058)  
Trees Knowledge Cards (#G-51742)  
Trees: North American Trees Identified by Leaf, Bark & Seed (#FG-6705)  
University of California Field Guide to Trees and Shrubs (#FG-13563)

## **Flowers**

Audubon Field Guide to Eastern (#FG-2379) & Western (#FG-2380) Wildflowers  
Audubon Pocket Guide to Eastern (#FG-652) & Western (#FG-651) Flowers  
Eyewitness Plant DVD (#DVD-14802), and Book (#BP-13390)  
Fandex Wildflower Guide (#FG-8480)  
Golden Field Guide to Wildflowers of North America (#FG-6259)  
Golden Guide to Wildflowers (#FG-2395) and Weeds (#FG-2414)  
Newcomb's Wildflower Guide (#FG-6264)  
Peterson Field Guide to Pacific States Wildflowers (#FG-2333)  
Peterson Field Guide to Wildflowers (#FG-2347)  
Peterson First Guide to Wildflowers (#FG-2362)  
Peterson Wildflowers Coloring Book (#B-12347)  
Plant Identification Eastern (#BP-6383) & Western (#BP-6384) Card Deck  
Pocket Naturalists Guides to Wildflowers (Many Regions Available)  
Take-Along Guide to Wildflowers, Blooms and Blossoms (#BP-7240)  
Wildflower Identification Guide (#T-11217)  
Wildflowers CD-ROM and Book (#B-13057)  
Wildflowers Knowledge Cards (#G-50806)

## **Insects**

Aquatic Insect Identification Guide (#T-11231)  
Bug Bingo (#G-50030)  
Butterflies through Binoculars, Eastern (#INV-9063) & Western (#INV-10113)  
California Dragonflies and Damselflies (#FG-13554)  
Caterpillars in the Field and Garden (#INV-14505)  
Caterpillars of Eastern North America (#INV-14361)  
Common Dragonflies of California, A Beginner's Pocket Guide (#INV-9064)  
Dragonflies Through Binoculars, A Field Guide to the Dragonflies of North America (#INV-9367)  
Everything Bug (#INV-13306)  
Eyewitness Butterfly & Moth DVD (#DVD-15229), Video (#V-5209) and Book (#INV-13410)  
Eyewitness Insect DVD (#DVD-14800), Video (#V-4201) and Book (#INV-13368)  
Fandex Butterfly Guide (#FG-11234)  
Golden Guide to Butterflies and Moths (#FG-2390)  
Golden Guide to Insects (#FG-2398)  
Insects & Spiders, Curious Critters of the Natural World (#INV-13126)  
Interactive Insect Key CD-ROM (#CD-13240)  
Kaufman Field Guide to Insects of North America (#FG-14455)  
Kaufman Field Guide to Butterflies of North America (#FG-15270)  
Milkweed, Monarchs and More (#INV-12386)  
National Audubon Society Field Guide to Insects and Spiders (#FG-2368)  
National Audubon Society Field Guides to Butterflies (#FG-2365)  
National Wildlife Federation Field Guide to Insects and Spiders of North America (#FG-16055)  
Nature Scope: Incredible Insects (#INV-16158)  
Peterson Field Guides to Eastern (#FG-2317) and Western (#FG-2344) Butterflies  
Peterson Field Guides to Insects of North America (#FG-2326)  
Peterson First Guides to Caterpillars (#FG-2350)  
Peterson First Guide to Butterflies and Moths (#FG-3120)  
Peterson First Guide to Insects (#FG-2354)  
Pocket Naturalist Field Guide to Bugs and Slugs (#FG-12240)  
Pocket Naturalist Field Guide to Butterflies and Moths of North America (#FG-12241)  
Smithsonian: Bug Hunter (#INV-13282)  
Songs of Insects (#INV-15253)  
Stokes Beginner's Field Guide to Butterflies (#FG-10079)

Stokes Beginner's Field Guide to Dragonflies (#FG-11150)  
Take a Walk with Butterflies and Dragonflies (#INV-12371)  
Take-Along Guide to Caterpillars, Bugs and Butterflies (#INV-5210)  
The Bug Scientists (#INV-10311)  
The Butterfly Book (#INV-494)  
The Family Butterfly Book (#INV-9431)  
The Life Cycle of Butterflies (#INV-14445)  
Wild Guide: Dragonflies (#FG-12372)

### **Amphibians**

Amphibians, Reptiles, and Their Conservation (#AR-11241)  
Animal Lives, The Frog (#AR-9179)  
Audubon Pocket Guide to Reptile and Amphibians (#FG-513)  
Exploring the Animal Kingdom Series: Amphibians (#AR-13263)  
Eyewitness Amphibian Video (V-4214) and Book (#AR-4214)  
Field Guide to Amphibians and Reptiles of the San Diego Region (#FG-14035)  
Frogs, A Wildlife handbook (#AR-7329)  
Golden Guide to Reptiles and Amphibians (#FG-2403)  
National Audubon Society Field Guide to Reptile and Amphibians (#FG-2373)  
Peterson Field Guide to Reptiles and Amphibians Eastern Region (#FG-2334)  
Peterson Field Guide to Reptiles and Amphibians Western Region (#FG-2345)  
Peterson First Guide to Reptiles and Amphibians (#FG-2356)  
Peterson Reptile and Amphibian Coloring Book (#AR-12470)  
Pocket Naturalist Field Guide to Reptiles and Amphibians (#FG-12266)  
Professor Noggin's Reptile and Amphibian Card Game (#G-51692)  
Readers Digest Field Guide to Mammals, Reptiles and Amphibians of North America (#FG-9362)  
Reptiles and Amphibians, Curious Critters of the Natural World (#AR-13134)  
Take-Along Guide to Frogs, Toads and Turtles (#AR-7290)  
The Frog Book (#AR-1020)

### **Reptiles**

Alligators (#AR-4217)  
Amphibians, Reptiles, And Their Conservation (#AR-11241)  
Audubon Pocket Guide to Reptile and Amphibians (#FG-513)  
Everything Reptile, What Kids Really Want to Know about Reptiles (#AR-13308)  
Eyewitness Reptile Video (#V-4216), DVD (#DVD-16227) and Book (#AR-13396)  
Golden Field Guide to Reptiles of North America (#FG-6254)  
Golden Guide to Reptiles and Amphibians (#FG-2403)  
Horn Lizards of North America (#FG-13565)  
National Audubon Society Field Guide to Reptile and Amphibians (#FG-2373)  
Our Wild World: Alligators and Crocodiles (#AR-51122)  
Our Wild World: Lizards (#AR-51125)  
Our Wild World: Snakes (#AR-51126)  
Our Wild World: Turtles (#AR-51128)  
Peterson Field Guide to Reptiles and Amphibians Eastern Region (#FG-2334)  
Peterson Field Guide to Reptiles and Amphibians Western Region (#FG-2345)  
Peterson First Guide to Reptiles and Amphibians (#FG-2356)  
Peterson Reptile and Amphibian Coloring Book (#AR-12470)  
Pocket Naturalist Field Guide to Reptiles and Amphibians (#FG-12266)  
Professor Noggin's Reptile and Amphibian Card Game (#G-51692)  
Readers Digest Field Guide to Mammals, Reptiles and Amphibians of North America (#FG-9362)  
Reptile Bingo (#G-51410)  
Reptiles and Amphibians, Curious Critters of the Natural World (#AR-13134)

Snakes & Lizards DVD (#DVD-14510)  
Snakes: A Smithsonian Answer Book (#AR-13115)  
Take-Along Guide to Snakes, Salamanders and Lizards (#AR-5225)  
Venomous Snakes of the World (#AR-14362)  
Wild Guide: Turtles (#AR-16095)  
Wild Guide: Venomous Snakes (#AR-16096)

## **Fish**

Discovering Salmon (#FISH-2580)  
Discovering Sharks and Rays (#FISH-11174)  
Eyewitness Fish DVD (DVD-15235), Video (#V-4213) and Book (#FISH-13364)  
Eyewitness Shark DVD (#DVD-15233), Video (#V-4209) and Book (#FISH-13366)  
Field Guide to Fresh Water Fishes of North America (#FISH-7287)  
Fish Identification Guide (#T-11237)  
Fish, An Enthusiast's Guide (#FISH-2581)  
Fresh Water Fishes of California (#FG-13555)  
Golden Guide to Fishes (#FG-2393)  
Golden Guide to Sharks (#FG-11143)  
Our Wild World: Sharks (#FISH-10132)  
Peterson Field Guide to Atlantic Coast Fishes (#FG-2308)  
Peterson Field Guide to Fresh Water Fishes (#FG-2324)  
Peterson Field Guide to Pacific Coast Fishes (#FG-2333)  
Peterson First Field Guide to Fishes (#FG-2353)  
Pocket Naturalists Field Guide to Fresh Water Fishes (#FG-12258)  
Pocket Naturalists Field Guide to Salt Water Fishes (#FG-12270)  
Sharks and Rays of the Pacific Coast (#FISH-394)  
Sharks, Rays and Chimaeras of California (#FG-13560)  
The New York Times Book of Fish (#FISH-6439)

## **Birds**

Audubon Pocket Guide to Eastern (FG-542) & Western (FG-533) Birds of N.A  
Audubon Pocket Guide to North American Birds of Prey (#FG-31214)  
Audubon Pocket Guide to Songbirds & familiar Backyard Birds of the East (#FG-3127)  
Audubon Pocket Guide to Waterfowl (#FG-5401)  
A Guide to Backyard Birds of Eastern North America (#BIRD-5233)  
All About Birds Field Identification Kit (#BIRD-10323)  
Bird Bingo (#G-50031)  
Bird Brains, The Intelligence of Crows, Ravens, Magpies and Jays (#BIRD-12402)  
Birds of Lakes, Ponds and Marsh (#BIRD-8243)  
Birds of North America DVD's (#DVD-13471)  
Birds of North America Fandex Guide (#FG-7294)  
Birds of the Field and Shore (#BIRD-8242)  
Everything Bird (#BIRD-15455)  
Everything You Never Learned About Birds (#BIRD-4226)  
Eyewitness Bird DVD (#DVD-15432), Video (#V-4223) and Book (#BIRD-13308)  
Finding Your Wings {Workbook for Beginning Watchers, Peterson} (#BIRD-16324)  
Golden Field Guide to Birds of North America (#FG-6253)  
Golden Field Guide to Eastern Birds (#FG-6252)  
Golden Guide to Birds (#FG-2389), Birds of Prey (#FG-12235) and Bird Life (#FG-2388)  
Identify yourself, The 50 Most Common Birding Identification Challenges (#BIRD-14519)  
Kaufman Field Guide to Birds of North America (#FG-9090)  
Magnetic Birds (#T-10212)

National Audubon Field Guide to Eastern (#FG-2363) & Western (#FG-2364) Birds of N.A.  
National Geographic Complete Birds of North America (#FG-14471)  
National Geographic Field Guide to the Birds of North America (#FG-7172)  
Our Wild World: Eagles (#BIRD-10025)  
Our Wild World: Falcons (#BIRD-13729)  
Our Wild World: Hawks (#BIRD-13721)  
Our Wild World: Owls (#BIRD-13726)  
Our Wild World: Penguins (#BIRD-13725)  
Our Wild World: Vultures (#BIRD-13728)  
Peterson Field Guides to Birds (Many regions Available)  
Peterson Field Guides to Eastern (#FG-2313) and Western (#FG-2343) Bird's Nests  
Peterson First Guide to Birds (#FG-2349)  
Peterson Flash Guide to Eastern (#FG-5092), Midwest (#FG-6260) & Western Trail (#FG-5093)  
Birds  
Pocket Naturalist Field Guides to Birds (Many regions Available)  
Reader's Digest Field Guide to Birds of North America (#FG-9363)  
Sibley's Birding Basics (#BIRD-11258)  
Sibley Field Guide to Birds of Eastern (#FG-11155) and Western (#FG-11156) North America  
Take-Along Guide to Birds, Nests, and Eggs (#BIRD-6498)  
The Great North American Bird Watching Trivia Game (#G-51296)  
The Lives of North American Birds (#BIRD-10028)  
The Sibley Guide to Bird Life and Behavior (#BIRD-9910)  
The Sibley Guide to Birds (#FG-9501)  
What's that Bird? Getting to Know the Birds around You Coast to Coast (#BIRD-14377)  
Wild Birds of North America Fandex Guide (#BIRD-7294)  
Woodpeckers of North America (#BIRD-14400)

### **Mammals**

Audubon Society Pocket Guide to Mammals (#FG-575)  
California Mammals (#FG-13556)  
Eyewitness Mammal DVD (#DVD-15238), Video (#V-5276) and Book (#MAM-13376)  
Golden Guide to Mammals (#FG-2399)  
Guide to Marine Mammals of the World (#MAM-11176)  
Kaufman Field Guide to Mammals of North America (#MAM-16280)  
Mammals, Curious Critters of the Natural World (#MAM-13109)  
Mammals: Educational games and Activities for Kids of All Ages (#MAM-50525)  
National Audubon Society Field Guide to Mammals (#FG-2369)  
Our Wild World Series  
Peterson Field Guide to Mammals of North America (#FG-2327)  
Peterson First Guide to Mammals (#FG-2355)  
Peterson Guide Mammals Coloring Book (#MAM-14412)  
Pocket Naturalist Field Guide to Mammals (#FG-12259)  
Princeton Field Guide to Mammals of North America (#MAM-11269)  
Reader's Digest Field Guide to Mammals, Reptiles and Amphibians of North America (#FG-9362)

**Inspirational Resources for the  
Trail and Classroom<sup>©</sup>**

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