

Junior Girl Scout Science Discovery 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 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 1 - Chemical Appearing Act

Chemical Reactions (#GEMS-3062)
Color Analyzers (#GEMS-3052)
DR. Art Does Science DVD (#DVD-14063)
Dr. Art's Guide to Science (#EE-14068)
My First Science Kit (#KIT-12825)
The Way Science Works {In Store} (#STO-51287)

Activity 5 - Act like a Scientist

Identify Five Different Kinds of 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 (#FG-14482)
Nature Finder Tree Guides (Various Regions) **See Field Guide Selections in Interest Areas***
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 Trees (#FG-655)
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)

Identify Five Different Kinds of Flowers

Audubon Field Guide to Wildflowers {Eastern (#FG-2379) and Western (#FG-2380) Regions}
Audubon Pocket Guide to Eastern (#FG-652) and 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)
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 Card Deck {Eastern (#BP-6384) & Western (#BP-6384) Regions}
Take-Along Guide to Wildflowers, Blooms and Blossoms (#BP-7240)
Vascular Plant Families (#BP-2560)
Wildflower Identification Guide (#T-11217)
Wildflowers CD-ROM and Book (#B-12347)
Wildflowers Knowledge Cards (#G-50806)

Identify Five Different Kinds of Animals

Amphibians

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-13398)
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)
Stokes Guide to Reptiles and Amphibians (#FG-2381)
Take-Along Guide to Frogs, Toads and Turtles (#AR-7290)
The Frog Book (#AR-1020)

Birds

A Guide to Backyard Birds of Eastern North America (#BIRD-5233)
All about Birds Field Identification Kit (#BIRD-10323)
Audubon Field Guide to Eastern (#FG-2363) and Western (#FG-2364) Birds of North America
Audubon Society Pocket Guide to Eastern (#FG-542) and Western (#FG-533)
Bird Bingo (#G-50031)
Birds of North America Fandex Guide (#FG-7294)
Birdsong Identiflyer (#BIRD-8379)
Birdsong Identiflyer Cards: **See Bird Activities in Interest Areas***
Everything You Never Learned About Birds (#BIRD-4226)
Eyewitness Bird DVD (#DVD-15432), Video (#V-4223) and Book (#BIRD-13308)
Finding Your Wings (#BIRD-16324)
Golden Guide Field Guides Bird (#FG-2353)
Golden Guide Field Guide to Eastern Birds (#FG-6252)
Identify yourself, The 50 Most Common Birding Identification Challenges (#BIRD-14519)
Kaufman Field Guide to Birds of North America (#FG-9090)
Magnetic Bird Magnets (#T-10212)
National Geographic Field Guide to the Birds of North America (#FG-7172)
National Geographic Regional Bird Field Guides: **See Field Guide Selections in Interest Areas***
National Wildlife Federation Field Guide to Birds of North America (#FG-16057)
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: **See Field Guide Selections in Interest Areas***
Peterson's Guide to Gulls of the America's (#FG-15441)
Pocket Naturalist Field Guides to Birds: **See Field Guide Selections in Interest Areas***
Reader's Digest Field Guide to Birds of North America (#FG-9363)
Sibley's Birding Basics (#BIRD-11258)
Songs of Wild Birds (#BIRD-15272)
Stokes Field Guides to Birds: **See Field Guide Selections in Interest Areas***
Take-Along Guide to Birds, Nests, and Eggs (#BIRD-6498)
The Great North American Bird Watching Trivia Game (#G-51296)
The Sibley Field Guide to Birds of Eastern (# FG-11155) and Western (#FG-11156) North America
The Sibley Guide to Birds (#FG-9501)
What's that Bird? Getting to Know the Birds around You Coast to Coast (#BIRD-14377)

Fish

Discovering Salmon (#FISH-2580)
Discovering Sharks and Rays (#FISH-11174)
Eyewitness Fish DVD (#DVD-15233), 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)
Golden Guide to Fishes (#FG-2393)
Golden Guide to Sharks (#FG-11143)
Our Wild World: Sharks (#FG-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-2331)
Peterson First Field Guide to Fishes (#FG-2353)

Pocket Naturalists Field Guide to Fresh Water Fishes (#FG-12253)
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)

Insects

Aquatic Insect Identification Guide (#T-11231)
Bug Bingo (#G-50030)
Butterflies through Binoculars, Eastern (#INV-9063) and Western (#INV-10113) Editions
Caterpillars in the Field and Garden (#INV-14505)
Caterpillars of Eastern North America (#INV-14361)
Common Dragonflies and Damselflies of Eastern North America DVD (#DVD-13127)
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)
Get Outdoors! Introduction to Insects Field Pack (#KIT-16129)
Golden Guide to Butterflies and Moths (#FG-2390)
Golden Guide to Insects (#FG-2398)
Insects & Spiders, Curious Critters of the Natural World (#INV-13126)
Kaufman Field Guide to Insects of North America (#FG-14455)
Kaufman 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 Audubon Society Pocket Guide to Butterflies (#FG-7337)
National Wildlife Federation Field Guide to the Insects of North America (#FG-16055)
Our Wild World: Butterflies (#INV-15385)
Peterson Field Guide to Eastern (#FG-2317) and Western (#FG-2344) Butterflies
Peterson Field Guide to Insects of North America (#FG-2326)
Peterson First Guide to Caterpillars (#FG-2350)
Pocket Naturalist Field Guide to Bugs and Slugs (#FG-12240)
Pocket Naturalist Field Guide to Butterflies and Moths of North America (#FG-12241)
Pocket Naturalist Field Guide to South Western Butterflies (#FG-15267)
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 Butterfly Book (#INV-494)
The Family Butterfly Book (#INV-9431)
Wild Guide: Dragonflies (#INV-12372)

Mammals

Audubon Society Pocket Guide to Mammals (#FG-575)
California Mammals (#FG-13556)
Eyewitness Mammal DVD (3DVD-15238), Video (#V-5276) and Book (#MAM-13376)
Golden Guide to Mammals (#FG-2399)
Kaufman Focus Guide to Mammals of North America (#FG-16280)
National Audubon Society Field Guide to Mammals (#FG-2369)
Our Wild World Series: **See Introduction to Animal Life in Interest Areas***

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)

Reptile

Audubon Pocket Guide to Reptile and Amphibians (#FG-513)
Everything Reptile, What Kids Really Want to Know about Reptiles (#AR-13308)
Eyewitness Reptile DVD (#DVD-16227), Video (#V-4216) 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)
Snakes & Lizards DVD (#DVD-14510)
Snakes: A Smithsonian Answer Book (#AR-13115)
Take-Along Guide to Snakes, Salamanders and Lizards (#FG-5225)
Wild Guide: Turtles (#AR-16095)
Wild Guide: Venomous Snakes (#AR-16096)

Classifying Rocks

Audubon Pocket Guide to Rocks and Minerals (#FG-443)
Classifying Sedimentary, Igneous and Metamorphic Rocks Kit (#KIT-14294)
Eyewitness Rock & Mineral DVD (#DVD-14703), Video (#V-7249) and Book (#FR-13425)
Golden Field Guide to Rocks and Minerals (#FG-6255)
Golden Guide to Rocks and Minerals (#FG-2404)
Investigating Minerals and Rocks Display (#T-14319)
Local Rocks of North America Laminated Guide (#FR-15254)
Mini Rock Sets (Six Different Collections Available): **See Geology in Interest Areas***
National Audubon Society Field Guide to Rocks and Minerals (#FG-2374)
Peterson Field Guide to Rocks and Minerals (#FG-2335)
Peterson First Guide to Rocks and Minerals (#FG-2357)
Rock Collections Sorted by Formation:
 Igneous Rock Collection (#KIT-14315), Metamorphic Rock Collection (#FR-14316), and
 Sedimentary Rock Collection (#KIT-14317)
Smithsonian Rock and Fossil Hunter (#FR-13283)
Take-Along Guide to Rocks, Fossils and Arrowheads (#FR-10196)
The Rock Cycle Activity Kit (#KIT-14293)

Activity 8 - Environmental Observer

Creek and Pond Life Activity Kit (#KIT-03)
Green Introductory Water Quality Monitoring Kit (#TEST-7202)
Handbook of Stream Enhancement and Stewardship (#WTR-15190)
Pocket Stream Sampling Net (#T-9338)
Pond and Stream Safari (#WTR-5117)
Pondwater Tour (#TEST-4112)
Stream Ecology Kit (#KIT-6291)
Turbidity Test Kit (#TeST-5129)

Activity 9 - See What?

Eyewitness Book: Light {In Store} (#STO-52372)
Eyewitness Sight Video (#V-7266)
Minds Eye Discovery Kit (#KIT-14717)
The Way Science Works {In Store} (#STO-51287)

Activity 10 - Here's the Rub

Dr. Art's Guide to Science (#EE-14068)
Eyewitness Book: Energy {In Store} (#STO-52369)
Rocket Car Kit (#KIT-12826)
Teaching the Fun of Science (#B-10147)
The Way Science Works {In Store} (#STO-51287)

***Interest Areas** refers to the left hand column on Acorn Naturalists website (www.acornnaturalists.com) that lists the various subject areas found on the website.

Inspirational Resources for the Trail and Classroom[©]

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