

Educational Loan Collection



Teachers have borrowed materials from Carnegie Museum of Natural History for more than 100 years. The Educational Loan Collection (ELC) was established at the turn of the last century, when museum director William J. Holland devised a plan to lend a series of small, portable collections of birds, mammals, insects, and minerals to the schools of Pittsburgh.

Over the years, the museum's scientific sections have donated specimens lacking sufficient data for scientific study to the ELC. The quantity and diversity of specimens in the collection grew to include thousands of artifacts and specimens of animals, plants, rocks, minerals, and fossils. Although dismissed from scholarly investigations, the items serve as invaluable educational tools.

Items in the collection have been used in educational establishments from nursery schools to colleges. Biology professors, for example, have borrowed study skins and skeletal material to create challenging lab assignments, while loans directed at much younger audiences have illustrated lessons as simple as "Birds to Watch for at Backyard Feeders."

Because many of the specimens and artifacts of the collection parallel museum displays, the careful selection of material has proven to be an excellent way to preview or follow up a class visit to the museum. Collection materials have also been used to create a museum-like experience for students unable to make such a field trip and to enliven special events, such as assemblies and science fairs.

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How to Borrow Materials

Registration Procedures

Contact Patrick McShea by emailing McsheaP@CarnegieMNH.org or calling (412) 622-3292 Mondays through Fridays, 9 a.m.–5 p.m., to check on the availability of items. A full week's notice is required for loan requests, and loans may be scheduled as far as two months in advance.

The fee for a single two-week loan (which might include several items from this catalog) is \$50. For school buildings with enrollments under 400, payment of a \$150 fee grants unlimited borrowing privileges to **all faculty** for a full year. For buildings with a larger student body, the annual registration fee is \$200.

Borrowing Procedures: Pick-Up and Drop-Off

Loan materials are not packaged for commercial shipping.

Loans are picked up from and returned to a loading dock reached from the Carnegie Museums' parking lot. The loading dock is open seven days a week, 7 a.m.–7 p.m. Many teachers have parents of students share the task of loan pick-up and return. Several school districts utilize district vans for this purpose.

Please be careful not to stack returned materials against outgoing loans.

Directions to the Loading Dock

From the museums' parking lot entrance at Forbes Avenue and Craig Street

1. The parking lot entrance gate will be activated by either a ticket dispensing box or a tollbooth attendant. Either pull a ticket from the box to raise the gate or inform the attendant of the purpose of your visit.
2. Bear right beyond the tollbooth and drive through the parking lot terrace (behind the Scaife Galleries of Carnegie Museum of Art, approximately 200 yards).
3. At the end of the parking lot terrace, park to the left in one of the loading dock spaces.
4. If the overhead doors or the adjacent door on the loading dock are open, walk up the ramp, enter the dock facility, and look for your materials against the interior wall on the right. If the overhead doors on the loading dock are not open, please ask a Security Guard to call the Security Department Office for assistance.
5. On your way out of the parking lot, explain the purpose of your visit to the exit gate attendant.
6. When returning items, if there is not enough room along the loading dock's interior right wall to place your returning loan, please ask a Security Guard to direct you to another location to place your materials.

What's Available

Thematic Loan Kits

Thematic Loan Kits generally contain specimens or artifacts from the collection, along with printed material such as teacher manuals, student guides, and books. Only one Thematic Loan Kit may be borrowed at a time. Dimensions of kit containers are listed (height x length x width in inches) in parentheses.

Archaeology: Tools and Technology

Contents include a wide array of the tools used in excavations, such as a metric tape measure, plumb bob, trowel, compass, and dental pick, as well as a teacher guide and 20 copies of student activity booklets. Production of this kit was supported by a grant from the Pennsylvania Historic and Museum Commission. (two boxes, the larger – 14 x 22 x 12)

Desert Wildlife

Contents include taxidermy mounts of a Gila monster, roadrunner, Texas horned lizard, and scorpion, the activity book NatureScope: *Discovering Deserts*, and 16 copies of *Desert Giant: The World of the Saguaro Cactus* by Barbara Bash. (four containers, the largest – 18 x 21 x 10)

Dinosaurs

Contents include a cast of a dinosaur skull on display at CMNH, casts of several smaller dinosaur fossils, and teacher's guide, *Carnegie's Dinosaurs* by Helen J. McGinnis, the activity book NatureScope: *Digging Into Dinosaurs*, and 13 plastic scale models from the Carnegie Collection dinosaur series. (three boxes, the larger – 14 x 22 x 12)

Endangered and Threatened Species in Pennsylvania

Contents include taxidermy mounts of an eastern massasauga, short-eared owl, king rail, black tern, American bittern, least bittern, and

eastern woodrat, videotapes about bog turtles and eastern woodrats, and 24 copies of the booklet *Endangered and Threatened Species of Pennsylvania*. (eight containers, the largest – 14 x 16 x 9)

Gifts From the Sea: Native Northwest Coast Fishing

Contents include a Makah model canoe and canoe paddle, items related to traditional fishing techniques such as a halibut hook, cod lure, and cedar rope, examples of contemporary fishing tackle, a plastic raised relief map, posters, a slide set, script, and teacher's guide, and several other publications. Production of this kit was supported by a grant from the Pennsylvania Historic and Museum Commission. (four containers, the largest – 25 x 36 x 4)

The Hopi

Contents include a Katsina doll, bull roarer, lightning stick, yucca basket, pinion nuts, dried corn, blue corn meal, slide set, script, and teacher's guide. (two boxes, the larger – 14 x 22 x 12)

The Inuit: Past and Present

Contents include pieces of caribou antler and seal skin, a whale tooth, replicas of a bow drill, snow goggles, skin scraper, woman's knife, and fishing spear, storybooks in English and Inuktitut, a slide set, script, and teacher's guide, and *Arctic Life: Challenge to Survive* edited by



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Martina Magenau Jacobs and James B. Richardson III.
(single box – 10 x 26 x 13)
(*Taxidermy mounts that complement this kit include the willow ptarmigan, snowy owl, arctic tern, snow bunting, parasitic jaeger, common loon, and arctic hare.*)

Inuit Games

Contents include three ring-and-pin games, an Inuit yo-yo, a buzz, a whir, a top, a hoop ball, a bag of bones, two sets of dice and a roulette cup, a string game featuring photographic and audiotape instructions, and a teacher's guide.
(single box – 8 x 13 x 11)

Life in Ancient Egypt: Scribes and Farmers

Contents include a replica hoe, sickle, pick, brick mold, clay cup, writing board, and scribe's ink pallet, Narmar Pallet, Rosetta Stone, and shabti models, a papyrus sample, a slide set, script, and teacher's guide, *Pyramid* by David McCallin, *Reflections of Greatness* by Dianna Craig Patch, and nine theme booklets.
(two boxes – 14 x 22 x 12)

The Monongahela: Prehistoric Pennsylvanians

Contents include a mix of small artifacts (stone flakes, projectile points, a celt, and ceramic shards) and replicas (a ceramic shell-tempered pot, cord-wrapped paddle, bone fish hooks, bone awl, and ceramic pipe), along with a slide set, script, and teacher's guide, and 20 student booklets. Production of this kit was supported by a grant from the Pennsylvania Historic and Museum Commission.
(two boxes – 10 x 30 x 20)

Pawprints (Mammal Tracks)

Contents include six track imprints in plaster, six rubber reproductions of mammal paws, a stamp pad, a field guide to animal tracks, six student booklets, and photographs of the mammals represented in the kit.
(single box – 8 x 21 x 12)
(*Taxidermy mounts that complement this kit include the American opossum, raccoon, and striped skunk.*)

Pennsylvania Botany

Contents include sets of herbarium sheets featuring dried specimens of 16 common spring wildflowers, 12 common trees, and 10 common poisonous plants, and a teacher's guide.
(single box – 15 x 26 x 20)

Peoples of the Plains

Contents include a piece of American Bison hide, a bison hide parfleche, a bison bone hide scraper, a braided strand of dried wild turnips, maps, mini-posters, and a teacher's guide.
(two boxes – 14 x 22 x 12)

Rock and Mineral Identification

Contents include seven samples of 21 different rocks and minerals, a teacher's guide with seven lessons, and seven hand lenses, streak plates, magnets, and other simple equipment to make mineral identification a hands-on lesson. Production of this kit was supported by a grant from The Hillman Foundation, Inc.
(single box – 10 x 23 x 20)

Tropical Forest Wildlife

Contents include taxidermy mounts of a black-eared marmoset, yellow-headed parrot, keel-billed toucan, black-billed mountain toucan, orange-chinned parakeet, wood thrush, red-eyed vireo, and rose-breasted grosbeak, an anaconda skin, a jaguar skull and jaw, a box of land snail shells, the activity book *NatureScope: Rain Forests: Tropical Treasures*, and a teacher's guide.
(five containers, the largest – 14 x 22 x 12)

What's Available

Topical Boxes

Topical Boxes are groups of specimens and related materials packaged as a single unit to facilitate focused study. Although some groups serve as pilots for future Thematic Loan Kits, they currently lack the scope of existing kits. Unless otherwise indicated, the specimens in each unit must be carefully handled. Most titles are packaged in large plastic toolboxes (14 x 22 x 12 – height x length x width in inches). Dimensions of larger boxes are listed in parentheses.

ANTHROPOLOGY

African Ethnographic Materials

Contents include an assortment of fabric, utensils, musical instruments, and carved and cast figures representing the Ivory Coast, Cameroon, Morocco, Nigeria, and Tanzania.
(15 x 24 x 20)

Navajo Materials

Contents include a cradleboard, clay pot, sand painting, and coiled basket.

Northwest Coast Artifacts

Contents include a carved feast bowl, a painted drum, and Western red cedar planks.

Projectile Points: An Artifact Guide

Contents include eight locally collected projectile points and a key to identify each according to time periods.

Thirteen Moons

Contents include 16 copies of *Thirteen Moons on Turtle's Back: A Native American Year of Moons* by Joseph Bruchac and Jonathan London and an equal number of turtle shells.

NATURE

Textiles in Nature

Contents include coral, feathers, a mammal pelt, snake shed, bird's nest, starfish, plant fossil, quartz crystal, turtle shell, and other touchable items.

PLANTS

Poisonous Plants

Contents include herbarium sheets of ten common poisonous plants.

Spring Wildflowers

Contents include herbarium sheets of 15 common spring wildflowers.

Spring Wildflowers (Sealed Case)

Contents include wax models of 11 spring wildflowers. (17 x 17 x 13)

FOSSILS, MINERALS, AND ROCKS

ASSORTED FOSSILS

Contents include plant, invertebrate, and vertebrate fossils.

Is It a Fossil?

Contents include 20 numbered items and a key that explains which specimens are fossils.

Petoskey Stones

Contents include fossil corals from the Petoskey area of Michigan, along with a suggested lesson plan.

Assorted Minerals

Contents include a variety common minerals.

Fluorescent Minerals

Contents include samples of fluorite, calcite, and other minerals that glow under ultraviolet light.

Quartz Types

Contents include samples of amethyst, smoky quartz, chert, jasper, and agate.

Assorted Rocks

Contents include samples of igneous, metamorphic, and sedimentary rocks.

Cave Rocks

Contents include various samples of dripstone, the calcite deposits that create distinctive cave scenery.

Lunar-Related Rocks

Contents include samples of basalt, pyroxene, breccia, plagioclase feldspar, ilmenite, norite, gabbro, anorthosite, and olivene.

Pittsburgh Area Rocks

Contents include samples of coal, shale, sandstone, and limestone.

Rocks and Their

Rock-Forming Minerals

Contents include samples of granite, rhyolite, gabbro, basalt, sandstone, breccia, fossiliferous limestone, coal, gneiss, quartzite, marble, slate, and examples of their mineral components.

Rock Samples From the Magic School Bus

Contents include samples of the rocks and minerals described in *The Magic School Bus Inside The Earth* by Joanna Cole and 16 copies of the book.

Volcanic Rock Samples

Contents include an assortment of extrusive igneous rocks.

TAXIDERMISTRY

Taxidermy and Other Forms of Preparation

Contents include a taxidermy supply catalog, examples of glass eyes and other animal body part forms and molds, and a copy of *Are Those Animals Real?* by J. Cutchins and G. Johnson.

WILDLIFE: BIRDS

Beaks and Feet

Contents include a variety of bird skulls and bird feet that represent different adaptations for feeding.

Bird Eggs

Contents include a variety of bird eggs in sealed clear plastic containers.

Bird Nests

Contents include a variety of bird nests, some containing eggs, in sealed clear plastic containers.

Bird Skulls

Contents include a variety of bird skulls.

Bird Study Skins

Contents vary with availability. Various birds of prey and waterfowl are generally available.

Canada Goose

Contents include a spread wing, tail, skull, and foot.

Great Blue Heron

Contents include a study skin, spread wing, tail, skull, foot, and egg. (14 x 22 x 12)

Great Horned Owl

Contents include a study skin, spread wing, tail, and skull. This box is generally loaned with a great horned owl taxidermy mount.

Owl Pellet Study Supplement

Contents include a study skin, spread wing, and skull of a great horned owl and common barn owl, skulls of several prey animals, an audiotape of owl calls, videotape, and an activity book. This box is generally loaned with several owl taxidermy mounts.

Red-Tailed Hawk

Contents include a study skin, spread wing, tail, skull, a videotape, and disarticulated skeleton. This box is generally loaned with a red-tailed hawk taxidermy mount.

Ruby-Throated Hummingbird

Contents include a taxidermy mount, study skin, and nest in sealed, clear plastic containers.

Urban Birds

Contents include 16 copies of *Urban Roosts: Where Birds Nest in the City* by Barbara Bash and taxidermy mounts of several of the birds described in the book. (Size varies according to the number of taxidermy mounts.)

Wild Turkey

Contents include a spread wing, tail, skull, and scat replica. (14 x 22 x 12) This box is generally loaned with a wild turkey taxidermy mount.

WILDLIFE: ENDANGERED SPECIES

Cargo for Conservation

Contents include samples of illegally imported wildlife products confiscated by the U.S. Fish and Wildlife Service.

WILDLIFE: MAMMALS

American Black Bear

Contents include a pelt, skull and jaw, track cast, and a videotape.

Bats

Contents include two bat taxidermy mounts, videotape, and activity book.

Beaver

Contents include a pelt, skull and jaw, scat replica, track mold, samples of beaver-gnawed wood, and 16 copies of *Beavers for Kids* by Patricia Corrigan. This box is generally loaned with a beaver taxidermy mount.

Coyote

Contents include a pelt, skull and jaw, track mold, and background information binder.

Elephant

Contents include a tail, toenail, and half of a lower jaw.

Horns and Antlers

Contents include a variety of horn- or antler-bearing mammal skulls, as well as separate horn sheaths and antlers. (Size varies. A pair of moose antlers, for example, measures 20 x 50 x 20.)

Mammal Bones

Contents include an assortment of bones from a variety of mammals.

Mammal Skulls

Contents include a variety of mammal skulls, representing carnivores, herbivores, and omnivores.

Mammal Study Skins

Contents vary with availability of specimens. Squirrels, muskrats, raccoons, and other common local mammals are generally available.

Raccoon

Contents include a study skin, pelt, skull and jaw, scat replica, track mold, and 16 copies of *Raccoons for Kids* by Jeff Fair. This box is generally loaned with a raccoon taxidermy mount.

Squirrels

Contents include study skins and skulls of an eastern gray squirrel, eastern fox squirrel, southern flying squirrel, and red squirrel. This box is generally loaned with several squirrel taxidermy mounts.

Whales

Contents include a whale vertebra, baleen, real and replica whale teeth, an audiotape of whale sounds, videotape, and miniature plastic models of several whale species. (18 x 30 x 22)

White-Tailed Deer

Contents include antlers, a skull and jaw, a series of aged jaws, a scat replica, a track mold, and videotape.

WILDLIFE: REPTILES, AMPHIBIANS, AND FISH

Sea Turtle

Contents include a sea turtle carapace, or upper shell, and sea turtle bones.

Pennsylvania Salamanders

Contents include replicas of 14 species of local salamanders in a sealed case and 16 copies of *Salamanders* by Cherie Winner.

Shark

Contents include two shark jaws and shark teeth.

WILDLIFE: VERTEBRATES

Animal Classification

Contents include a sealed case containing taxidermy mounts of a bird, mammal, reptile, amphibian, and fish, plus touchable samples of feathers, fur, snake skin, and vertebrae. (24 x 37 x 13)

WILDLIFE: INVERTEBRATES

Coral

Contents include an assortment of coral specimens, videotape, and an activity book.

Ladybugs

Contents include Riker mounts of various beetles, a videotape, and an activity guide.

Land Snails

Contents include Riker mounts of land snails from Pennsylvania and several exotic locations.

Ocean Life

Contents include various shell, coral, starfish, sponge, barnacle, sand dollar, and sea urchin specimens.

Recent Invertebrates: Mollusks

Contents include an assortment of mollusk shells from around the world.

What's Available

Habitat Cases

Most of these portable cases display one male and one female bird taxidermy mount, with nest, eggs, vegetation, and colorful background diorama. Cases are listed according to favored types of nesting habitat. Unless otherwise marked, cases dimensions are 21 x 31 x 9 (height x length x width in inches).

Broad Habitat Range Including Urban and Suburban Areas

- Mourning Dove
- Common Nighthawk
- Northern Flicker
- Eastern Phoebe
- Blue Jay
- House Wren
- American Robin
- Common Grackle

Fields, Grasslands, Pasture

- Northern Bobwhite
- Killdeer
- Eastern Bluebird
- Field Sparrow
- Eastern Meadowlark

Forest

- Downy Woodpecker
- Black-capped Chickadee
- Veery
- Wood Thrush
- Black-and-white Warbler
- Ovenbird
- Rose-breasted Grosbeak

Overgrown Fields, Dense Brush

- American Woodcock
- Common Yellowthroat
- Northern Cardinal
- Rufous-sided Towhee
- Song Sparrow

Rivers, Streams, Lakes

- Spotted Sandpiper
- Belted Kingfisher

Sea Shore

- Herring Gull (21 x 31 x 9)

Wetland: Marsh

- American Bittern (21 x 31 x 9)
- Least Bittern (21 x 31 x 9)
- Virginia Rail
- Sora
- Common Snipe
- Swamp Sparrow
- Red-winged Blackbird

GROUP CASES

These large, portable cases display groups of bird taxidermy mounts. The first six titles arrange birds according to their migratory status in western Pennsylvania. The remainder display birds according to family and/or type. In instances where more than one case is available, slight variations may occur in content. Cases dimensions are 21 x 31 x 9.

Early Spring Arrivals

Killdeer, Common Snipe, Mourning Dove, Belted Kingfisher, Eastern Phoebe, Eastern Bluebird, American Robin, Red-winged Blackbird, Eastern Meadowlark, Common Grackle, Brown-headed Cowbird.

Mid-Spring Arrivals

Spotted Sandpiper, Yellow-bellied Sapsucker, Purple Martin, Ruby-crowned Kinglet, Hermit Thrush, Brown Thrasher, Rufous-sided Towhee, Chipping Sparrow, Field Sparrow, Vesper Sparrow, Fox Sparrow, White-throated Sparrow.



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Late Spring Arrivals

Yellow-billed Cuckoo, Red-headed Woodpecker, Eastern Wood-Pewee, Great Crested Flycatcher, Eastern Kingbird, Wood Thrush, Orchard Oriole, Common Yellowthroat, Yellow-breasted Chat, Scarlet Tanager, Rose-breasted Grosbeak, Indigo Bunting.

May Arrivals

Chimney Swift, Barn Swallow, House Wren, Gray Catbird, Red-eyed Vireo, Yellow Warbler, Black-throated Blue Warbler, Black-throated Green Warbler, Black-and-white Warbler, Ovenbird, Bobolink, Baltimore Oriole.

Winter Visitants and Permanent Residents

Horned Lark, Blue Jay, Brown Creeper, Carolina Wren, Winter Wren, Red Crossbill, Golden-crowned Kinglet, Northern Shrike, American Tree Sparrow, Dark-eyed Junco, Snow Bunting, Pine Grosbeak.

Permanent Residents

American Kestrel, Eastern Screech Owl, Downy Woodpecker, Hairy Woodpecker, Horned Lark, Black-capped Chickadee, Tufted Titmouse, White-breasted Nuthatch, Cedar Waxwing, Northern Cardinal, Song Sparrow, American Goldfinch.

Water Birds

American Bittern, Least Bittern, Green-backed Heron, American Woodcock, Belted Kingfisher.

Shore Birds

Semipalmated Plover, Killdeer, Greater Yellowlegs, Lesser Yellowlegs, Solitary Sandpiper, Ruddy Turnstone, Sanderling, Least Sandpiper, Common Snipe.

Woodpeckers

Red-headed Woodpecker, Northern Flicker, Red-bellied Woodpecker, Downy Woodpecker, Hairy Woodpecker, Yellow-bellied Sapsucker.

Swifts and Swallows

Chimney Swift, Purple Martin, Tree Swallow, Northern Rough-winged Swallow, Bank Swallow, Cliff Swallow, Barn Swallow.

Thrushes

Eastern Bluebird, Veery, Gray-cheeked Thrush, Swainson's Thrush, Hermit Thrush, Wood

Thrush, American Robin.

Wood Warblers

Nashville Warbler, Yellow Warbler, Chestnut-sided Warbler, Yellow-rumped Warbler, Black-throated Green Warbler, Blackburnian Warbler, Bay-breasted Warbler, Cerulean Warbler, Black-and-white Warbler, American Redstart, Northern Waterthrush, Mourning Warbler.

Sparrows

American Tree Sparrow, Chipping Sparrow, Field Sparrow, Vesper Sparrow, Fox Sparrow, Savannah Sparrow, Song Sparrow, Swamp Sparrow, White-throated Sparrow, White-crowned Sparrow, House Sparrow.

PREDATOR/PREY CASES

The following cases are listed separately because of their usefulness in discussions of predator/prey relationships. Each taxidermy mount depicts a situation in which a bird of prey has captured a meal.

Cooper's Hawk with White-throated Sparrow
(18 x 18 x 13)

American Kestrel with Meadow Vole
(13 x 22 x 13)

E. Screech Owl with Mouse
(16 x 13 x 9)

ADDITIONAL MATERIAL FOR BIRD STUDY

Assortments of loose feathers, spread wings, study skins, and skeletal material not listed in this catalog may also be borrowed. Please see the **Topical Box** listings under **Wildlife: Birds**.

What's Available

Birds

SINGLE SPECIES AND GROUP CASES

Each portable case displays a single bird taxidermy mount or small group of mounts. The list below is in systematic order according to family. All of the birds are adults unless otherwise indicated (imm. = immature bird specimen). Case dimensions are listed (height x length x width in inches) in parentheses. An asterisk (*) indicates exotic birds not commonly found in North America.

Loons

Common Loon (16 x 26 x 16)

Grebes

Pied-billed Grebe (14 x 13 x 7)

Pied-billed Grebe and Horned Grebe
(18 x 17 x 12)

Penguins

Cape Penguin (20 x 26 x 20)*

Bitterns, Herons

American Bittern

Least Bittern

Green-backed Heron

Black-crowned Night-Heron

Waterfowl

Snow Goose (16 x 26 x 13)

Wood Duck (30 x 19 x 16)

Green-winged Teal (17 x 13 x 9)

Blue-winged Teal (30 x 19 x 16)

American Black Duck (20 x 38 x 13)

Mallard (20 x 38 x 12), adult or adult
and imm.

Cinnamon Teal (14 x 16 x 9)

American Wigeon (14 x 16 x 9)

Ring-necked Duck (18 x 18 x 13)

Hooded Merganser (17 x 21 x 10)

Ruddy Duck (18 x 22 x 10)

Vultures

Turkey Vulture (26 x 15 x 13)

Hawks

Sharp-shinned Hawk (17 x 13 x 9)

Cooper's Hawk (27 x 14 x 7) adult or
adult and imm.

Red-tailed Hawk (24 x 16 x 16)

Broad-winged Hawk (19 x 14 x 11)

Northern Goshawk (32 x 22 x 11)
adult or adult and imm.

Falcons

American Kestrel (14 x 14 x 7)

Pheasants, Grouse, Turkeys, Quail

Ring-necked Pheasant (20 x 37 x 12)

Ruffed Grouse (17 x 21 x 9)

Wild Turkey (28 x 29 x 14)

Northern Bobwhite (14 x 19 x 11)

Mountain Quail (14 x 14 x 7)

Golden Pheasant (20 x 38 x 13)*

Common Partridge (11 x 9 x 11)*

Willow Ptarmigan (14 x 16 x 9)

Rails, Gallinules, Coots

Virginia Rail and Sora (10 x 12 x 7)

Common Gallinule (17 x 21 x 10)

American Coot (17 x 17 x 13)

Plovers

Black-bellied Plover (11 x 11 x 7)

Semipalmated Plover and Killdeer
(13 x 13 x 6)

Killdeer (9 x 11 x 10)

Gulls, Terns, etc.

Bonaparte's Gull (13 x 13 x 7)

Black-legged Kittiwake (13 x 6 x 9)

Common Tern (13 x 13 x 7)

Arctic Tern (14 x 14 x 7)

Parasitic Jaeger (14 x 19 x 11)

Sandpipers, Phalaropes, etc.

Greater Yellowlegs (13 x 13 x 6)
Spotted Sandpiper (7 x 9 x 5)
Long-billed Curlew (21 x 17 x 13)
Ruddy Turnstone (9 x 11 x 6)
Dunlin (9 x 11 x 7)
Common Snipe (9 x 12 x 7)
American Woodcock (11 x 11 x 6)
Wilson's Phalarope (12 x 21 x 6)

Pigeons, Doves

Rock Dove or domestic pigeon
(13 x 16 x 9)

Lories

Rainbow Lory (14 x 14 x 6)

Parrots

Superb Parrot (14 x 14 x 6)*

Cuckoos, etc.

Yellow-billed Cuckoo (12 x 11 x 7)

Cuckoo/Mini-Thrush

Black-billed Cuckoo and Brown
Thrasher (13 x 13 x 7)

Barn Owls

Common Barn Owl (20 x 13 x 11)

Typical Owls

Eastern Screech Owl (19 x 13 x 11)
Great Horned Owl (26 x 15 x 13),
adult or imm.
Barred Owl (27 x 15 x 13), adult or
adult and imm.
Long-eared Owl (19 x 14 x 11) adult
or imm.
Short-eared Owl (19 x 14 x 11)
Northern Saw-whet Owl (11 x 9 x 7)
Northern Hawk Owl (17 x 17 x 12)
Snowy Owl (27 x 19 x 17)
Tawny Owl (19 x 17 x 11)*

Goatsuckers

Whip-poor-will (9 x 11 x 7)
Common Nighthawk (16 x 14 x 9)

Swifts

Chimney Swift (9 x 11 x 7)

Hummingbirds

Ruby-throated Hummingbird
(13 x 16 x 9)

Kingfishers

Belted Kingfisher (13 x 13 x 7)

Woodpeckers

Red-headed Woodpecker (11 x 11 x 7)
Yellow-bellied Sapsucker (13 x 13 x 7)
Downy Woodpecker (13 x 13 x 7)
Hairy Woodpecker (11 x 11 x 7)
Northern Flicker (16 x 13 x 9)
Pileated Woodpecker (19 x 14 x 11)

Tyrant Flycatchers

Great Crested Flycatcher (11 x 11 x 7)
Eastern Kingbird (11 x 11 x 7)
Yellow-bellied Flycatcher, Acadian
Flycatcher, Willow Flycatcher,
and Least Flycatcher
(13 x 13 x 7)
Eastern Wood-pewee, Eastern Phoebe,
Great Crested Flycatcher, and
Eastern Kingbird (13 x 13 x 6)

Larks

Horned Lark (9 x 11 x 7)

Swallows

Purple Martin (13 x 13 x 7)

Jays, Magpies, Crows

Blue Jay (11 x 11 x 7)
Pinyon Jay (11 x 11 x 7)
Eurasian Jay (14 x 14 x 6)*
Black-billed Magpie (17 x 17 x 13)
American Crow (17 x 18 x 13)

Chickadees

Black-capped Chickadee (9 x 8 x 5)

Nuthatches

White-breasted Nuthatch and Red
breasted Nuthatch (11 x 9 x 7)
White-breasted Nuthatch (9 x 9 x 5)

Chickadee, Titmouse, Nuthatch

Black-capped Chickadee, Tufted
Titmouse, Red-breasted
Nuthatch, and White-breasted
Nuthatch (14 x 14 x 7)

Creepers

Brown Creeper (9 x 7 x 5)

Wrens

House Wren, Winter Wren, Sedge Wren, and Marsh Wren (14 x 14 x 7)

Dippers

American Dipper (9 x 7 x 5)

Kinglets, etc.

Golden-crowned Kinglet, Ruby crowned Kinglet, and Blue gray Gnatcatcher (14 x 14 x 7)

Thrushes, etc.

Eastern Bluebird (16 x 13 x 8)
Gray-cheeked Thrush (12 x 9 x 7)
Swainson's Thrush (8 x 9 x 5)
Hermit Thrush (8 x 9 x 5)
Wood Thrush (10 x 12 x 6)
American Robin (14 x 14 x 6)

Mimic Thrushes

Gray Catbird (12 x 12 x 7)
Brown Thrasher (12 x 11 x 7)
Northern Mockingbird (12 x 11 x 7)

Pipits

Water Pipit (12 x 7 x 9)

Waxwings

Cedar Waxwing (9 x 12 x 7)

Shrikes

Northern Shrike (10 x 12 x 6)

Starlings

European Starling (10 x 12 x 7)

Wood Warblers, etc.

Northern Parula and Yellow Warbler (10 x 11 x 7)
Magnolia Warbler (10 x 12 x 6)
American Redstart (10 x 8 x 5)
Ovenbird (10 x 8 x 5)
Kentucky Warbler and Hooded Warbler (12 x 9 x 7)
Wilson's Warbler (12 x 10 x 10)
Yellow-breasted Chat (8 x 10 x 5)

Tanagers, Grosbeaks, Sparrows, Buntings, etc.

Scarlet Tanager (10 x 12 x 7)
Northern Cardinal (12 x 12 x 7)
Rose-breasted Grosbeak (11 x 11 x 7)
Indigo Bunting (9 x 11 x 6)

Rufous-sided Towhee (11 x 11 x 7)
American Tree Sparrow (9 x 12 x 6)
American Tree Sparrow and Dark eyed Junco (9 x 11 x 6)
Vesper Sparrow (10 x 11 x 7)
Lark Sparrow (9 x 7 x 5)
Fox Sparrow (10 x 12 x 7)
Dark-eyed Junco (7 x 9 x 5)
Fox Sparrow, Lincoln's Sparrow, White-throated Sparrow, and White-crowned Sparrow (13 x 13 x 7)
Snow Bunting (7 x 10 x 5)

Blackbirds, Orioles, etc.

Bobolink (12 x 11 x 7)
Red-winged Blackbird (14 x 14 x 6)
Eastern Meadowlark (11 x 9 x 7)
Yellow-headed Blackbird (14 x 13 x 6)
Rusty Blackbird (12 x 12 x 7)
Common Grackle (12 x 11 x 7)
Brown-headed Cowbird (11 x 12 x 7)
Orchard Oriole (11 x 9 x 7)
Baltimore Oriole (11 x 11 x 7)

Finches

Purple Finch, Red Crossbill, White winged Crossbill, and Pine Siskin (17 x 22 x 5)
American Goldfinch (8 x 9 x 5)
Evening Grosbeak (11 x 11 x 7)
Common Bullfinch (9 x 8 x 5) *

Old World Sparrows

House Sparrow (10 x 12 x 6)

What's Available

Mammals

SINGLE SPECIES CASES

Each portable case displays a single mammal taxidermy mount. The list below is in systematic order, according to family. Case dimensions are listed (height x length x width in inches) in parentheses. An asterisk (*) indicates exotic mammals not commonly found in North America.

Opossums

American Opossum (27 x 16 x 13)

Moles

Hairy-tailed Mole (10 x 12 x 7)

Plain-Nosed Bats

Little Brown Bat (12 x 15 x 2)

Keen Bat (8 x 9 x 5)

Big Brown Bat (12 x 15 x 2)

Red Bat (10 x 12 x 7)

Pikas

Pika (8 x 9 x 5)

Rabbits, Hares

Eastern Cottontail (16 x 27 x 13)

Snowshoe Hare (21 x 23 x 12)

Arctic Hare (22 x 24 x 15)

Squirrels, etc.

Eastern Gray Squirrel (20 x 14 x 11)

Eastern Fox Squirrel (14 x 19 x 11)

Southern Flying Squirrel (17 x 17 x 12)

Red Squirrel (13 x 14 x 7)

Woodchuck/Groundhog (21 x 22 x 12)

Black-tailed Prairie Dog (14 x 14 x 7)

Eastern Chipmunk (17 x 22 x 10)

Yellow-bellied Marmot (17 x 17 x 13)

Beavers

Beaver (21 x 22 x 12)

Rats, Mice, etc.

Deer Mouse (8 x 9 x 5)

Eastern Woodrat (10 x 12 x 7)

Muskrat (18 x 18 x 13)

Porcupines

Porcupine (32 x 22 x 11)

Foxes

Red Fox (14 x 25 x 16)

Raccoons

Raccoon (22 x 27 x 20)

Weasels, etc.

Short-tailed Weasel (Ermine)
(10 x 11 x 7)

European Ferret (14 x 17 x 9)*

Mink (14 x 17 x 9)

Striped Skunk (15 x 25 x 15)

Spotted Skunk (15 x 12 x 8)

Cats

Bobcat (23 x 28 x 14)

GROUP CASES

These five cases display groups of mammal taxidermy mounts. Each case measures 25 x 34 x 9 (height x length x width in inches).

Mammal Group A

Eastern Cottontail, Eastern Gray Squirrel, Red Squirrel, Southern Flying Squirrel, and Long-tailed Weasel.

Mammal Group B

Hairy-tailed Mole, Short-tailed Shrew, Eastern Chipmunk, Red-backed Vole, and Mink.

Mammal Group C

Eastern Gray Squirrel, Red Squirrel, Southern Flying Squirrel, Eastern Chipmunk, Meadow Vole, Red-backed Vole, and House Mouse.

Mammal Group D

Hairy-tailed Mole, Eastern Cottontail, Eastern Gray Squirrel, and Southern Flying Squirrel.

Mammal Group E

Eastern Gray Squirrel, Eastern Fox Squirrel, Red Squirrel, Northern Flying Squirrel, and Eastern Chipmunk.

ADDITIONAL MATERIAL FOR MAMMAL STUDY

Skulls, antlers, horn sheaths, vertebral columns, assorted other mammal bones, small mammal study skins, and pelts not listed in this catalog may also be borrowed. Please see the **Topical Box** listings under **Wildlife: Mammals**.

What's Available

Reptiles, Amphibians, and Fish

SINGLE SPECIES AND GROUP CASES

Most of these portable cases display plaster or fiberglass models of amphibians, reptiles, and fish. Single species cases are listed in systematic order. Case dimensions are listed (height x length x width in inches) in parentheses. An asterisk (*) indicates an exotic animal not normally found in North America.

REPTILES

Turtles

- Eastern Mud Turtle (10 x 12 x 17)
- Spotted Turtle (9 x 12 x 6)
- Wood Turtle (14 x 14 x 7)
- Eastern Box Turtle, Painted Turtle, Smooth Softshell Turtle (21 x 17 x 5)
- Red-footed Tortoise (13 x 17 x 9)*

Lizards

- Eastern Fence Lizard (10 x 12 x 7)
- Texas Horned Lizard (7 x 9 x 5)
- Eastern Glass Lizard (11 x 12 x 7)
- Green Lizard (13 x 13 x 7)*

Snakes

- Northern Water Snake (13 x 14 x 7)
- Northern Brown Snake and Redbelly Snake (11 x 10 x 6)
- Northern Ringneck Snake (11 x 9 x 6)
- Racer and Black Rat Snake (17 x 21 x 5)
- Yellow Rat Snake (14 x 25 x 15)
- Eastern Milk Snake (10 x 11 x 6)
- Florida Pine Snake (18 x 21 x 5)
- Common Garter Snake (11 x 11 x 6)
- Cottonmouth (10 x 11 x 9)
- Eastern Coral Snake (15 x 12 x 3)
- Venomous Snakes of Pennsylvania: N. Copperhead, E. Massasauga, Timber Rattlesnake (17 x 21 x 5)

AMPHIBIANS

Salamanders

- Slimy Salamander (7 x 9 x 5)
- Redback Salamander (7 x 9 x 5)
- Salamanders of Pennsylvania:
 - Spotted Salamander, Red spotted Newt, N. Dusky Salamander, E. Hellbender, Appalachian Seal Salamander, Mountain Dusky Salamander, Redback Salamander, Slimy Salamander, Four-toed Salamander, N. Spring Salamander, N. Red Salamander, N. Two-lined Salamander, Longtail Salamander (17 x 21 x 5)

Frogs and Toads

- Northern Spring Peeper (8 x 9 x 5)
- Green Treefrog (14 x 14 x 7)
- Gray Treefrog (7 x 9 x 5)
- Life Cycle of Green Frog (12 x 21 x 3)
- Frogs and Toads of Pennsylvania:
 - E. American Toad, Fowler's Toad, N. Spring Peeper, Gray Treefrog, Bullfrog, Green Frog, Pickerel Frog, N. Leopard Frog, Wood Frog (17 x 21 x 5)

FISH

Pennsylvania Fish

- Muskellunge (20 x 38 x 13)
- Carp and Channel Catfish (25 x 20 x 6)
- Rock Bass, Black Crappie, Rainbow Trout, Pumpkinseed, Yellow Perch (21 x 17 x 5)

Saltwater Fish

Seahorse, Cowfish, Anglerfish
(15 x 12 x 2)

Lookdown (20 x 17 x 5)

Moray, Grass Porgy, Parrot Fish,
Wrasse (22 x 30 x 10)

Cardinal Fish, French Angelfish,
Sargassum Fish, Needle Fish
(20 x 24 x 9)

ADDITIONAL MATERIAL FOR REPTILE, AMPHIBIAN, AND FISH STUDY

Snake sheds, snake skins, and the upper shells
(carapace) of various turtles may also be
borrowed. Please see the **Topical Box** listings
under **Wildlife: Reptiles, Amphibians, and Fish**.

What's Available

Insects

GROUP AND LIFE CYCLE RIKER MOUNTS

These flat, glass-topped boxes display insect specimens against cotton or polyester batting. Each Riker mount box measures 12 x 15 x 2 (height x length x width in inches).

GROUPS

The orders and/or families of insects represented in the following group mounts are listed after each title.

Dragonflies and Damselflies

Darners, Common Skimmers, Spread-winged Damselflies, and Narrow-winged Damselflies.

Orthoptera

Grasshoppers, Crickets, Mantids, Walking Sticks, and Cockroaches.

Common Local Beetles

Tiger Beetles, Ground Beetles, Carrion Beetles, Rove Beetles, Lightning Bugs, Dermestid Beetles, Click Beetles, Ladybird Beetles, Blister Beetles, Darkling Beetles, Stag Beetles, Long-horned Beetles, Leaf Beetles, and Snout Beetles.

Helpful Beetles

Tiger Beetles, Ground Beetles, Carrion Beetles, Rove Beetles, Lightning Bugs, and Stag Beetles.

Beetles, Potential Pests

Dermestid Beetles, Click Beetles, Blister Beetles, Scarab Beetles, Long-horned Beetles, and Leaf Beetles.

Common Local Butterflies

Swallowtails, Sulfurs, Brush-footed Butterflies, Wood Nymphs, and Monarchs.

South American Butterflies: Swallowtails

South American Butterflies: Sulfurs

South American Butterflies: Brush-footed Butterflies and Heliconians

African Butterflies: Swallowtails

Asiatic Butterflies: Swallowtails

Indian Butterflies: Sulfurs

Indo-Australian Butterflies: Sulfurs, Brush-footed, and Monarchs

Borneo Butterflies: Swallowtails

Common Local Moths

Sphinx Moths, Giant Silkworm, and Royal Moths.

Eight Orders of Common Local Insects

Odonata, Orthoptera, Hemiptera, Homoptera, Coleoptera, Lepidoptera, Diptera, and Hymenoptera.

Water Insects Commons in Ponds and Swamps

Water Boatmen, Backswimmers, Water Scorpions, Giant Water Bugs, Water Striders, Predaceous Diving Beetles, Whirligig Beetles, and Water Scavenger Beetles.

Helpful Insects

Dragonflies and Damselflies, Beetles, Moths, Flies, Wasps, Bees, etc.

Insects, Potential Pests

Cicadas, Beetles, and Butterflies.

LIFE CYCLES

The life histories of the following species are represented, from egg to adult, with specimens and/or models of specimens.

Walking Stick
Japanese Beetle
Monarch Butterfly
Tiger Swallowtail
Cecropia Moth
Luna Moth
Io Moth
Promethea Moth
Polyphemus Moth