

GALLERY RESOURCE GUIDE

The Age of Ice

Grades: 3, 4, 5, 6, 7, 8, World Geography, Earth and Space Science

Academic Standards:

Social Studies: 4.3.5, WG.3.4

Science: 3.2.4, 4.2.2, 5.3.1, 6.3.1, 6.3.3, 7.2.7, 7.2.8, 8.3.6, 8.3.9, ES.4.5

Overview:

Grab your coat as you enter the Ice Age! As Earth's climate turns colder, massive glaciers slowly advance from the north. Hundreds of feet thick and enormously heavy, these glaciers scour the land and flatten the northern three-quarters of Indiana. These glaciers repeatedly advance and retreat, resulting in periods of cold and warm climates. As the climate changes, plant and animal populations change. Fossils and other clues from the Ice Age reveal which mammals survived during that time and which became extinct.

Gallery Highlights:

- > **History Written in Bones: Carnivore Lair:** See fossils belonging to carnivorous predators and their prey.
- > **"An Indiana Time Capsule":** Learn how the Megenity Cave Dig recovered the finest record of Indiana life from the past 100,000 years. View a video of the excavation and the discovered fossils.
- > **Getting Carried Away:** See and touch rocks brought to Indiana by glaciers and compare them to rocks formed locally.
- > **"The Circle Goes Around":** This animation educates students on the process of glaciation.
- > **"The Gumz Farm Mastodon":** This movie presents the incredible story of a La Porte, Indiana family who found a mastodon skeleton on their land.
- > **Telltale Teeth:** Compare the teeth of a mammoth to the teeth of a mastodon by sight and touch.
- > **Ice Age Animal Skeletons:** Examine the skeletons of five extinct Ice Age animals once found in Indiana
- > **Tip the Scales:** Students get a chance to weigh themselves and see how they compare to Ice Age animals.

GALLERY RESOURCE GUIDE continued

Key People, Events or Terms:

- > Ice Age
- > Glacier
- > Carnivore
- > Predator
- > Prey
- > American Mastodon
- > Extinction
- > Mammoth
- > Stag-Moose
- > Short-Faced Bear
- > Harlan's Musk Ox
- > Giant Beaver
- > Glacial Till

Workshops, Lesson Plans, and Special Events:

- > Beaver Fever gallery search
- > Stalking the Monster Mastodon gallery search
- > Indiana's Ice Age Animals education trunk
- > Fossil family backpack
- > Fossils school workshop
- > Homeschool Day—Indiana's Ice Age
- > Geofest Festival

Discussion Questions:

- > The Ice Age animals seen in the gallery no longer live in Indiana. Why is the case?
- > Compare Mammoths and Mastodons – how are they different and how are they the same?
- > Define predator and prey. Give examples of predators and prey from the Ice Age in Indiana and today.

