

Gallery: Fossil Gallery

Course Name: Geologic Time Scale

Grade Level: 6, 7, 9 - 12

Activity: Geologic Time Scale Animal Research

Approximate Time Required: 60 minutes

Vocabulary:

geology	Hadean Eon	Mesozoic Era
eon	Archean Eon	Cenozoic Era
era	Proterozoic Eon	herbivore
period	Phanerozoic Eon	carnivore
Precambrian—the super eon	Paleozoic Era	omnivore

Objective:

The students will research an animal of their choice to identify the following:

1. When and where did the animal live, its habitat, its food, its characteristics?
2. What were the possible reasons for extinction, man-made and/or naturally-occurring?
3. What modern day animals may be related to the extinct animal?
4. What threatens the modern day animal and might cause its extinction?
5. What could man do to prevent the modern day animal's extinction?

Materials Needed:

1. Library reference materials and/or internet search access.

Procedure:

Ask the students to write a report about the objectives listed above. The student should be prepared to present their material orally to the class and generate classroom discussion.

Observations:

1. Are the students analyzing, interpreting, and drawing their own conclusions about what they have researched?
2. The students should be able to correlate past history with current day environmental and conservation efforts.
3. The students can discuss current events (Iceland volcano, Gulf oil leak, greenhouse gases) and their impact on today's animals and man.

Evaluation:

1. Review the students' written reports.
2. Evaluate the students' oral report, presentation skills, and creative thinking.

Modifications:

Students may only complete the first and second objectives.

Students could use various audio/visual aids (such as PowerPoint) to present their oral reports.

Students could use pictures to create a collage to tell the animal's story.

Georgia Standards:

ELA6R1, ELA6R2, ELA6RC2, ELA6RC3, ELA6RC4, ELA6W1, ELA6W2a-h, ELA6W3, ELA6W4, ELA7R1, ELA7R2, ELA7RC2, ELA7RC3, ELA7RC4, ELA7W1, ELA7W2a-g, ELA7W3, ELA7W4, BCS-CA1-1, S6E5g, S6E3a-c, S6E5e-g, S7CS6c, S7L5c, SCSH4a-b, SCSH7c, SCSH8a-f, SES1c-d, SES3d-e, SES4a-e, SES6d-E, SG1a-d, SZ2a, SZ2c, SZ3a-c, SAST6c-d, SB4c, SB4e, SB4f, SB5a-e, SEV3c, SEC1a-DELA9C1, ELA10C1, ELA11C1, ELA12C1, ELA9W1, ELA10W1, ELA11W1, ELA12W1, ELA9W3, ELA10W3, ELA11W3, ELA12W3