



Correlations to Georgia Performance Standards

Dinosaurs Alive! introduces students to themes found in both the Life Science and Earth Science curriculum: fossils, adaptation, extinction, classification, changes in scientific understanding based on new evidence, tools of modern science and the scientific process.

These themes align closely with the Georgia Performance Standards in Science. Following are key correlations between the film and the Science standards by grade level.

We hope that these correlations will assist you in integrating *Dinosaurs Alive!* into your curriculum. For additional background information and classroom activities, download an Educator's Guide from our Web site.

Please contact the Education Department at justforeducators@fernbankmuseum.org if we can be of any further assistance as you prepare for your visit!

Kindergarten

Characteristics of Science

SKCS1. Students will be aware of the importance of curiosity, honesty, openness and skepticism in science and will exhibit these traits in their own efforts to understand how the world works.

SKCS4. Students will use the ideas of system, model, change and scale in exploring scientific and technological matters.

Life Science

SKL1 Students will sort living organisms and non-living materials into groups by observable physical attributes.

SKL2 Students will compare the similarities and differences in groups of organisms.

First Grade

Characteristics of Science

S1CS1. Students will be aware of the importance of curiosity, honesty, openness and skepticism in science and will exhibit these traits in their own efforts to understand how the world works.

S1CS4. Students will use the ideas of system, model, change and scale in exploring scientific and technological matters.

S1CS6. Students will be familiar with the character of scientific knowledge and how it is achieved.

S1CS7. Students will understand important features of the process of scientific inquiry.

Second Grade

Characteristics of Science

S2CS1. Students will be aware of the importance of curiosity, honesty, openness and skepticism in science and will exhibit these traits in their own efforts to understand how the world works.

S2CS4. Students will use the ideas of system, model, change and scale in exploring scientific and technological matters.

S2CS6. Students will be familiar with the character of scientific knowledge and how it is achieved.

S2CS7. Students will understand important features of the process of scientific inquiry.

Third Grade

Characteristics of Science

S3CS1. Students will be aware of the importance of curiosity, honesty, openness and skepticism in science and will exhibit these traits in their own efforts to understand how the world works.

S3CS4. Students will use ideas of system, model, change and scale in exploring scientific and technological matters.

S3CS7. Students will be familiar with the character of scientific knowledge and how it is achieved.

S3CS8. Students will understand important features of the process of scientific inquiry.

Earth Science

S3E2. Students will investigate fossils as evidence of organisms that lived long ago.

Fourth Grade

Characteristics of Science

S4CS1. Students will be aware of the importance of curiosity, honesty, openness and skepticism in science and will exhibit these traits in their own efforts to understand how the world works.

S4CS4. Students will use ideas of system, model, change and scale in exploring scientific and technological matters.

S4CS7. Students will be familiar with the character of scientific knowledge and how it is achieved.

S4CS8. Students will understand important features of the process of scientific inquiry.

Life Science

S4L2. Students will identify factors that affect the survival or extinction of organisms such as adaptation, variation of behaviors (hibernation) and external features (camouflage and protection).

Fifth Grade

Characteristics of Science

S5CS1. Students will be aware of the importance of curiosity, honesty, openness and skepticism in science and will exhibit these traits in their own efforts to understand how the world works.

S5CS4. Students will use ideas of system, model, change and scale in exploring scientific and technological matters.

S5CS7. Students will be familiar with the character of scientific knowledge and how it is achieved.

S5CS8. Students will understand important features of the process of scientific inquiry.

Life Science

S5L1. Students will classify organisms into groups and relate how they determined the groups with how and why scientists use classification.

Sixth Grade

Characteristics of Science

S6CS1. Students will explore the importance of curiosity, honesty, openness and skepticism in science and will exhibit these traits in their own efforts to understand how the world works.

S6CS5. Students will use the ideas of system, model, change, and scale in exploring scientific and technological matters.

S6CS8. Students will investigate the characteristics of scientific knowledge and how it is achieved.

S6CS9. Students will investigate the features of the process of scientific inquiry.

Earth Science

S6E5. Students will investigate the scientific view of how the earth’s surface is formed.
g. Describe how fossils show evidence of the changing surface and climate of the Earth.

Seventh Grade

Characteristics of Science

S7CS1. Students will explore of the importance of curiosity, honesty, openness and skepticism in science and will exhibit these traits in their own efforts to understand how the world works.

S7CS5. Students will use the ideas of system, model, change and scale in exploring scientific and technological matters.

S7CS8. Students will investigate the characteristics of scientific knowledge and how that knowledge is achieved.

S7CS9. Students will investigate the features of the process of scientific inquiry.

Life Science

S7L4. Students will examine the dependence of organisms on one another and their environments.

c. Recognize that changes in environmental conditions can affect the survival of both individuals and entire species.

S7L5. Students will examine the evolution of living organisms through inherited characteristics that promote survival of organisms and the survival of successive generations of their offspring.

c. Trace evidence that the fossil record found in sedimentary rock provides evidence for the long history of changing life forms.

Eighth Grade

Characteristics of Science

S8CS1. Students will explore the importance of curiosity, honesty, openness and skepticism in science and will exhibit these traits in their own efforts to understand how the world works.

S8CS5. Students will use the ideas of system, model, change and scale in exploring scientific and technological matters

S8CS8. Students will be familiar with the characteristics of scientific knowledge and how it is achieved.

S8CS9. Students will understand the features of the process of scientific inquiry.

High School—Earth Systems

Characteristics of Science

SCSh1 Students will evaluate the importance of curiosity, honesty, openness, and skepticism in science.

SCSh8 Students will understand important features of the process of scientific inquiry.

Earth Science

SES4 Students will understand how rock relationships and fossils are used to reconstruct the Earth's past.

SES6 Students will explain how life on Earth responds to and shapes Earth systems.

High School Biology

Characteristics of Science

SCSh1 Students will evaluate the importance of curiosity, honesty, openness, and skepticism in science.

SCSh8 Students will understand important features of the process of scientific inquiry.

Life Science

SB5 Students will evaluate the role of natural selection in the development of the theory of evolution.