

How Prehistoric Passages: Realm of Dragons correlates to the NC Essential Standards for Science:

K.L.1.2 Compare characteristics of living and nonliving things in terms of their structure · growth · changes · movement · basic needs

3.L.1.1 Compare the different functions of the skeletal and muscular system.

3.L.1.2 Explain why skin is necessary for protection and for the body to remain healthy. (Komodo dragon)

4.E.2 Understand the use of fossils and changes in the surface of the earth as evidence of the history of Earth and its changing life forms.

4.E.2.1 Compare fossils (including molds, casts and preserved parts of plants and animals) to one another and to living organisms.

4.E.2.2 Infer ideas about Earth's early environments from fossils of plants and animals that lived long ago.

4.E.2.3 Give examples of how the surface of the earth changes due to slow processes such as erosion and weathering, as well as rapid processes such as landslides, volcanic eruptions and earthquakes.

5.L.2 Understand the interdependence of plants and animals with their ecosystem. (Komodo dragon)

8.E.2 Understand the history of Earth and its life forms based on evidence of change recorded in fossil records and landforms.

8.E.2.1 Infer the age of Earth and relative age of rocks and fossils from index fossils and ordering of rock layers (relative dating and radioactive dating).

8.E.2.2 Explain the use of fossils, ice cores, composition of sedimentary rocks, faults, and igneous rock formations found in rock layers as evidence of the history of the Earth and its changing life forms.

8.L.4 Understand the evolution of organisms and landforms based on evidence, theories and processes that impact the Earth over time.

8.L.4.1 Summarize the use of evidence drawn from geology, fossils and comparative anatomy to form the basis for biological classification systems and the theory of evolution.