

Dinosaur Basics:

Applicable State Standards

(2016 Montana Science Standards)

A note on standards: This is a list of the standards that can be met by each lesson plan. For older grades, the utilisation of the extensions offered in lessons may be necessary in order to meet the standards exactly. Educators should feel free to enhance and adapt the lessons in order to meet the needs of their classroom.

<p>Lesson: What is a Dinosaur?</p>	<p>Second Grade:</p> <ul style="list-style-type: none"> ● make observations of plants and animals to compare and contrast the diversity of life in different habitats <p>Third Grade:</p> <ul style="list-style-type: none"> ● analyze and interpret data from fossils to provide evidence of the organisms and the environments in which they lived long ago <p>Fourth Grade:</p> <ul style="list-style-type: none"> ● construct an argument that plants and animals have internal and external structures that function to support survival, growth, behavior, and reproduction <p>Grades 6-8:</p> <ul style="list-style-type: none"> ● apply scientific ideas to construct an explanation for the anatomical similarities and differences among modern organisms and between modern and fossil organisms to infer evolutionary relationships
<p>Lesson: Dinosaur Giants</p>	<p>First Grade:</p> <ul style="list-style-type: none"> ● make an evidence-based explanation of how young plants and animals are like, but not exactly like, their parents

	<p>Third Grade:</p> <ul style="list-style-type: none"> ● analyze and interpret data from fossils to provide evidence of the organisms and the environments in which they lived long ago <p>Fourth Grade:</p> <ul style="list-style-type: none"> ● construct an argument that plants and animals have internal and external structures that function to support survival, growth, behavior, and reproduction
<p>Lesson: Bones, Teeth and Claws</p>	<p>K:</p> <ul style="list-style-type: none"> ● use observations to describe patterns of what plants and animals, including humans, need to survive <p>Second Grade:</p> <ul style="list-style-type: none"> ● make observations of plants and animals to compare and contrast the diversity of life in different habitats <p>Third Grade:</p> <ul style="list-style-type: none"> ● analyze and interpret data from fossils to provide evidence of the organisms and the environments in which they lived long ago ● construct an argument with evidence that in a particular habitat some organisms can survive well, some survive less well, and some cannot survive at all <p>Fourth Grade:</p> <ul style="list-style-type: none"> ● construct an argument that plants and animals have internal and external structures that function to support survival, growth, behavior, and reproduction <p>Grades 6-8:</p> <ul style="list-style-type: none"> ● analyze and interpret data for patterns in the fossil record that document the

	<p>existence, diversity, extinction, and change of life forms throughout the history of life on Earth under the assumption that natural laws operate today as in the past</p> <ul style="list-style-type: none"> ● apply scientific ideas to construct an explanation for the anatomical similarities and differences among modern organisms and between modern and fossil organisms to infer evolutionary relationships
<p>Lesson: Fields of Time</p>	<p>Second Grade:</p> <ul style="list-style-type: none"> ● use information from several sources to provide evidence that Earth events can occur quickly or slowly
<p>Lesson: How Much Time has Passed Since Dinosaurs Were Around?</p>	