

**Process of Paleontology:
Applicable State Standards**
(2016 Montana Content Standards)

<p>Lesson: Learning the Process of Paleontology</p>	<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"> ● identify evidence from patterns in rock formations and fossils in rock layers to support an explanation for changes in a landscape over time
<p>Lesson: Digging up Dinosaurs</p>	<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>Lesson: Displaying a Dinosaur</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>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
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