

Fossils:
Applicable State Standards
 (2016 Montana Science Standards)
 (Montana Common Core Writing Standards)

<p>Lesson: What is a Fossil?</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>Grades 6-8:</p> <ul style="list-style-type: none"> ● analyze and interpret data for patterns in the fossil record that document the 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>Lesson: Types of Fossils</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"> ● identify evidence from patterns in rock formations and fossils in rock layers to support an explanation for changes in a landscape over time <p>Grades 6-8:</p>

	<ul style="list-style-type: none"> ● analyze and interpret data for patterns in the fossil record that document the 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>Lesson: A Fossil in your Backyard!</p>	<p>IEFA:</p> <ul style="list-style-type: none"> ● Essential Understanding 7: Under the American legal system, Indian tribes have sovereign powers, separate and independent from the federal and state governments. However, the extent and breadth of tribal sovereignty is not the same for each tribe.
<p>Lesson: Research a Fossil</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 ● develop models to describe that organisms have unique and diverse life cycles but all have in common birth, growth, reproduction, and death <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 ● identify evidence from patterns in rock formations and fossils in rock layers to support an explanation for changes in a landscape over time <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

CCRA.W.1

- Write arguments to support claims in an analysis of substantive topics or texts, using valid reasoning and relevant and sufficient evidence.

CCRA.W.7

- Conduct short as well as more sustained research projects based on focused questions, demonstrating understanding of the subject under investigation.

CCRA.W.8

- Gather relevant information from multiple print and digital sources, assess the credibility and accuracy of each source, and integrate the information while avoiding plagiarism

CCRA.W.9

- Draw evidence from literary or informational texts to support analysis, reflection, and research.