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School : Tipton Elementary

Description : My project is to introduce second grade students to fossils. We will focus on; how they are made, where they can be found, and what fossils tell scientists about world history.

Objectives and Goals : Students will be able to;

- 1.) Recognize fossils as the impressions and molds of the remains of animals and plants that lived long ago.
- 2.) Compare and contrast conditions that allow and discourage fossil formation
- 3.) Understand geologic processes take a prolonged period of time to occur
- 4.) Interpret a map to identify various information

Implementation : (to be used at the conclusion of our study of soils)

Monday	Tuesday	Wednesday
<ul style="list-style-type: none"> • Make the top two layers of a geologic stratagraph • Read <u>Little Grunt and the Egg</u> by Tomie dePaola • Compare and contrast a bone vs. a fossil (feel and describe) • Define fossil • Homework- bring something to fossilize 	<ul style="list-style-type: none"> • Read <u>Carnivores vs. Herbivores</u> by Houghton Mifflin • Small groups: put together a puzzle with no picture • Challenge- sort and assemble two puzzles at the same time 	<ul style="list-style-type: none"> • Picture review <u>Carnivores vs. Herbivores</u> • Feel and discuss components used to make a fossil • Make a fossil impression • Leave to dry

Thursday	Friday
<ul style="list-style-type: none"> • Name fossils; “__osaurous” • Add remaining layers to geologic stratagraph • Explore a map of Iowa bedrock. • Based on soil to bedrock maps, discuss would digging in our backyards be a good idea? 	<ul style="list-style-type: none"> • Field Trip to Devonian Fossil Gorge in Coralville, IA

Evaluation: 1.) Most evaluation will occur during class participation and discussion
 2.) At the gorge, students will be encouraged to take on the role of the teacher and take “Greta” the tourist on a tour of the gorge explaining what “Greta” is seeing as the class descends through the various levels of the gorge.