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Geology of Iowa for Teachers  
Project Development

**Description:**

My project will bring students to a location near Dubuque, Iowa to find and develop a fossil collection of locally formed fossils.

**Objectives:**

- Students will collect fossils from a local site.
- Students will describe the process that lead to fossil formation.
- Students will describe the type of environment in Iowa when this fossil formation occurred.

**Implementation:**

This project will be used during the evolution unit of my biology course. It will be used to help students understand the type of rock fossils form in and the actual process of fossilization. It will also show students that fossil can actually be found in Iowa, something many of them may not realize. In addition it will be used to illustrate the dramatic changes the earth has gone through in the areas of geology, climate, habitat, etc. We will travel to Graff, Iowa and students will collect fossils in a road cut found there.

**Evaluation:**

Students will write a short summary to conclude the activity. They will need to describe their findings and while answering the following.

- What type of rocks did they encounter and what evidence supports this?
- What type of organisms do their fossil most resemble from current living species?
- Describe the type of environment that existed while these organisms were alive and the evidence that support this conclusion.