

# Wendy Palmer- My Project

## Geology of Iowa class 2010

1. My project is to develop a unit on Iowa Geology for use in my Earth Science Class.
2. My objective is for the students to understand that we were once a shallow ocean, and how that has shaped the geology of Iowa.
3. Implementation:
  - a. Powerpoint lecture showing location of our continent during Devonian age (at the equator)
  - b. Show them fossils found during the Geology of Iowa class that are marine animals
    - i. Crinoids, stromatoporoids, brachiopods, corals
  - c. Possible field trip to see these fossils in situ
    - i. Starr's Cave, Devonian Fossil Gorge or bluffs near Crapo Park
  - d. If field trip not possible, could purchase Devonian Fossil Gorge movie and take a "virtual" field trip
  - e. Possibly have a gypsum mine worker take a video inside the mine (since no one under age 18 is allowed) and get some gypsum samples
4. Assessment:

I will have the students make a diorama or 3-D model of some sort OR a drawing of Iowa during the Devonian age. I will use a rubric to score and will be looking for inclusion of creatures such as crinoids, coral, brachiopods, stromatoporoids, bryozoans, etc.