

Implementation:

1. A class discussion will be held on where oceans and seas can be found in the world. After the students give their answers, tell them that there was once a sea here in Iowa.
2. Show the DVD from the Coralville Reservoir.
3. Look at the Geologic Time Scale. Point out the Devonian time period.
4. Get the fossils out for identification. In each activity, the students will identify the time period the organism lived, where it could be found in the world, and draw a sketch of the fossil.
 - a. Activity 1:
Using hand lenses and fossil identification sheets, students will identify Devonian fossils from my collection.
 - b. Activity 2:
Using hand lenses and fossil identification sheets, students will identify fossilized shark teeth, vertebrae, and stingray teeth from Morocco.
 - c. Activity 3:
 - 1) Using hand lenses, microscopes, and fossil identification sheets and books, students will identify trilobites, gastropods, ammonites, coral, and brachiopods.
 - 2) Students will make comparisons between the fossil identified from Iowa and the third activity.
5. After the fossil identification, students will draw a slip of paper with a name of a time period from the Geologic Time Scale. Each student will research the period. The information will be presented in a travel brochure. It may either be completed by hand or on the computer using Microsoft Publisher. Information to be included is:
 - a. The name of the time period.
 - b. Years the time period occurred.
 - c. What land formations occurred and looked like.
 - d. What organisms lived during the time period.
 - e. What the climate was.
 - f. A minimum of four pictures of organisms that lived during that time period.
 - g. Any other interesting information about the time period.

Evaluation:

Students will give an oral presentation on their travel brochure. I will grade the brochure using a rubric for the brochure itself and another rubric for the oral presentation.
