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7th grade Franklin
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Iowa Geology

Subject: At the end of our soil unit students will take a soil sample from the school yard and analyze the material according Horizon Sequencing.

Objective(s):

1. Students will understand the Horizon Sequencing Units and what each layer contains
2. Students will use the color chart to determine the color of their soil.
3. Students will test the pH of their soil.

Implementation:

This unit will be implemented at the beginning of the unit. Students will get samples from their yards at their houses and the school yard and bring them into the classroom. As the unit progresses we will refer back to our samples for testing and evaluation.

Evaluation:

Students will write a “Claims, Evidence, and Reasoning” paper on the analysis of their soil.

Example:

Question: How was each horizon layer of soil formed over geological time?

Claim: The school yard soil was formed from the Iowan Surface glacier that happened during the pre-Illinoian period, 2.2 million years ago. The limestone bedrock was created during the Devonian Age.

Evidence:

Horizon	Sediment Analysis
0	
A	
B	
C	
D	

Reasoning:

(explanation of their evidence)