

Sedimentary Rocks

WebQuest Description: An inquiry based lesson on sedimentary rocks.

Grade Level: K-2

Curriculum: Science

Keywords: sedimentary, layers, rock cycle, lithification

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Introduction

Sedimentary Rocks
Sedimentary rocks are part of the "Rock Cycle". Sedimentary rocks are studied by geologists to discover the history of the Earth. It is your job as a junior geologist to become an expert of Sedimentary rocks!

Tasks

You are a junior geologist studying Sedimentary rocks! It is your task to dig and discover all the information there is on Sedimentary rocks. To begin your study, you must gather your tools. You will need a computer with an internet connection, paper and pencil. You may work alone or in a team. Be sure that everyone in your group is assigned a task. Remember learning is an active process!

Process

You are now ready to dig for information. You will need to view each website to answer the questions listed below. If you are unsure about the answer, get together with a fellow junior geologist to discuss your questions or comments. You may find it helpful to view each link and take notes a few times before you gain deeper understanding.

Questions

1. Sedimentary rocks are made of layers. How are these layers formed?
2. What is the process of lithification? How does it relate to Sedimentary rocks?
3. Are Sedimentary rocks made from just rock particles? What else can Sedimentary rocks be made of?
4. Can you name the 3 most common types of Sedimentary rocks?
5. How do you or someone that you know use Sedimentary rocks?

<http://www.fi.edu/fellows/fellow1/rocks/create/sediment.htm>
<http://geoscience.unlv.edu/pub/snelson/GEY101/Sedimentary.html>

<http://videos.howstuffworks.com/hsw/8448-basics-of-geology-sedimentary-rock-video.html>

http://www.teachertube.com/viewvideo.php?video_id=85915&title=sedimentary_rock_song

http://www.teachertube.com/viewvideo.php?video_id=30649&title=sedimentary_Rock_ID&ref=mmccauley

<http://www.videojug.com/film/geology-sedimentary-rocks>

<http://geology.com/rocks/sedimentary-rocks.shtml>

Evaluation

To meet the Performance Standards of Scientific Inquiry, each student must demonstrate proficiency in:

Understanding of scientific concepts.

An appreciation of "how" and "what we know" in science.

