

Today in



we learned all about...

Earthworks



- We learned that geologists are scientists that study the Earth and all things that make up the Earth.
- We discovered that rocks are made up of minerals.
- We saw a geode and learned about how they are formed.
- We used a UV light to cause some minerals to fluoresce different colors.
- We discovered how mountains are formed and how the Earth is made up of sliding tectonic plates.
- We learned that scientists that study earthquakes are called seismologists and we saw an earthquake demonstration using an earthquake board.
- We helped create a mini “earthquake” to learn how a seismograph works.
- We made our own sedimentary stacker to take home so that we could continue our geological explorations!



LET'S TRY THIS AT HOME!



Sedimentation Exploration

You Need: Your Sedimentary Stacker

- 1 Observe the time and write it down.
- 2 Shake your sedimentary stacker for 10 seconds.
- 3 Set it down and leave it undisturbed.
- 4 Observe it every 5 minutes for the next 20 minutes.
- 4 Record the time when all of the layers have formed.

Explanation: When you shake the bottle, all of the materials (called sediments) that were placed in the bottle mix together. Slowly the sediments will settle to the bottom. The heaviest sediments, like the pieces of gravel and the pebbles will fall to the very bottom. Then different layers will form with the chalk dust ending up on the very top. The same thing that happens in rivers and lakes, which is why we get to walk on nice soft sand at the beach. How long did your sedimentary stacker take to settle?



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