



Little People's Learning Center

Be A Scientist
Lesson by Miss Augusta

Videos:

- [Story Time from Space! Astronauts read books from the space station!!!](#)
- [Museum of the Rockies Live Stream Videos](#): Museum of the Rockies has several of their livestream videos posted, one called Dinosaur Dentists talks about dinosaur teeth!
- [Mystery Science](#): Mini lessons on a variety of topics like: Who invented pizza? Why do we get hiccups? Why do woodpeckers peck wood? And many many more!
- [Ranger Rick](#): this magazine from the National Wildlife Federation has a website that is currently free to the public. It has games, crafts, for kids as well as parent and educator guides.

Activities:

[Coloring Pages - Scientists](#)

[Coloring Pages - Physics](#)

1.) Baking Soda and Vinegar: This classic chemical reaction experiment is very simple but fun! Here are a couple ideas to make it even more fun:

- Make a playdough volcano before hand and add baking soda and vinegar for a fun volcanic eruption! You can add food coloring as well.
- Blow up a balloon with this reaction! First pour vinegar into a plastic bottle, then fill a balloon with baking soda (funnel works well) and attach it to the top of the bottle. Turn the balloon over so you pour the baking soda into the vinegar. Watch as the reaction fills the balloon!



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2.) Cloud in a Jar: A meteorologist is a scientist that studies the weather. What happens when it rains? What you need for this experiment is:

- Large jar
 - Shaving cream
 - Gel food coloring or watercolors
 - Pipettes or droppers
1. Fill up several cups full with water and add food coloring
 2. Fill the jar $\frac{3}{4}$ full with water
 3. Add shaving cream on top
 4. Have kids drip colorful water onto the shaving cream and watch as it slowly drips into the water, just like rain!

3.) Dinosaur Excavation: A paleontologist is someone who studies ancient life (these are the same scientists that study dinosaurs!) What you need for this activity is:

- Cornstarch
 - Water
 - “Fossils”-any small dinosaur or animal toys
 - Toy tools, toothpicks, toothbrushes or other tools
1. Mix a 2:1 ratio of cornstarch:water (so if you use 2 cups of cornstarch, mix 1 cup of water with it) in a small tupperware or plastic container
 2. Place fossils in mixture, make sure they are completely or mostly covered
 3. Wait 1 day until mixture is hardened
 4. Slowly use tools to excavate your fossil! Remember, paleontologists have to gently get fossils out so they can study them!