

Lets learn

about

Dinosaurs



Lets name some Dinosaurs? (see next page for pictures)

- 1. Tyrannosaurus Rex**
- 2. Velociraptor**
- 3. Triceratops**
- 4. Apatosaurus (Brontosaurus)**
- 5. Diplodocus**
- 6. Brachiosaurus**
- 7. Carnotaurus**
- 8. Stegosaurus**
- 9. Spinosaurus**
- 10. Ankylosaurus**
- 11. Iguanodon**
- 12. Allosaurus**
- 13. Parasaurolophus**
- 14. Titanosaurs**
- 15. Pterodactyl**

What do we know about dinosaurs?

Were they big or small or both?

Did they walk or fly

Did some of them swim?

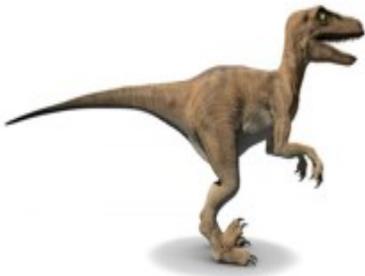
Are they still alive?

What clues do we have to tell us about Dinosaurs?

Bones and Fossils



1



2



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Lets be a Paleontologist

This is a 2 stage activity

First we need to make the bones—see link for recipe (<http://kitchenfloorcrafts.blogspot.com/2014/07/homemade-dinosaur-bones.html>)

Second create a dig

Need

- Sand
- Salt dough bones
- Garbage bags and paint brushes
- Tubs
- Fill tub with sand and bury the 'bones'

Aim: to teach kids about what we need to do to hunt for bones and how to do it carefully.

What is a person called that looks for dinosaur bones? A paleontologist

Paleontology is the study of plants and animals that lived millions of years ago. Scientists called paleontologists study the remains of these ancient organisms, or living things. The remains, called fossils, were reserved in rocks. Paleontologists look for fossils all over the world. They use special tools, to carefully remove fossils from the surrounding rock. They note exactly where the fossils were found. This helps them figure out how old the fossils are.

Tools of a Paleontologist:

Chisel

Walkie talkie

GPS

Rock hammer

Probes

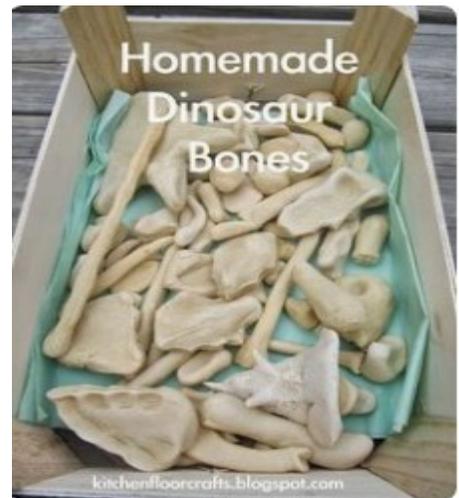
Marker and baggies

Tape measure

Brushes



They will measure and photograph and describe (Writing if able)



Kitchen Floor Crafts: Homemade Dinosaur Bones. Use for a... 118

Fossils

What are Fossils?

Fossils are the preserved remains of plants or animals. For such remains to be considered fossils, scientists have decided they have to be over 10,000 years old. There are two main types of fossils, body fossils and trace fossils. Body fossils are the preserved remains of a plant or animal's body. Trace fossils are the remains of the activity of an animal, such as preserved trackways, footprints, fossilized eggs, shells, and nests.



To make your own "Fossils"

Need:

- Air dry clay (playdough or salt dough will work as well)
- Fake leaves
- Shells

Kids will roll out clay and press things in to it. Hole in the top for hanging on the wall at home.

Instructions:

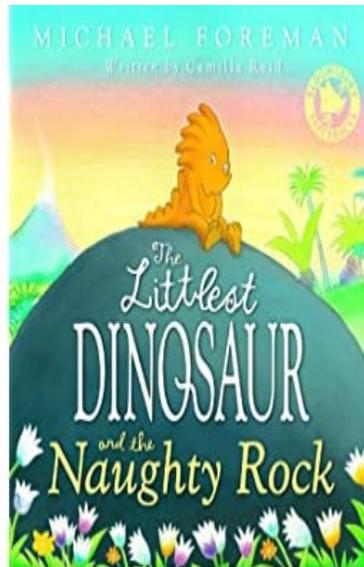
- Roll out the air dry clay
- Press the leaves or shells into the clay
- Carefully pull out the objects and let dry



Story time

**The Littlest Dinosaur and the Naughty Rock by
Michael Foreman**

<https://www.youtube.com/watch?v=IbZIJLEqeFU>



**“How the dinosaur got to the museum” By
Jessie Hartland**

**—not available on you tube but a great
book none the less**

Dinosaur Yoga

5 easy yoga poses for kids



1. Stand like a Stegosaurus.



2. Dip down like a Diplodocus.



3. Angle like an Ankylosaurus.



4. Breathe like a Brachiosaurus.



5. Sleep like a Spinosaurus.

KIDS YOGA
STORIES

https://www.kidsyogastories.com/dinosaur-yoga/?utm_medium=social&utm_source=pinterest&utm_campaign=tailwind_tribes&utm_content=tribes&utm_term=410199286_13779842_33791

Craft

Paper Plate Dinosaur

- Cut a paper plate in half – paint paper plate
- Attach head feet and tale
- Let dry



Q-tip craft

- Glue head to paper
- Use Q-tips to make body of bones
- Glue them down



<http://stuck-on-glue.blogspot.com/2012/02/q-tip-dino.html>



<http://www.preschoolactivities.us/qtip-craft-idea-for-kids/qtip-dinosaur-fossil-craft/>

Science

Volcanoes

What is a Volcano?

A volcano is a mountain that opens downward to a pool of molten rock below the surface of the earth. When pressure builds up, eruptions occur. Gases and rock shoot up through the opening and spill over or fill the air with lava fragments. Eruptions can cause lava flows, hot ash flows, mudslides, avalanches, falling ash and floods. Volcano eruptions have been known to knock down entire forests. An erupting volcano can trigger tsunamis, flash floods, earthquakes, mudflows and rockfalls

How are volcanoes formed?

Volcanoes are formed when magma from within the Earth's upper mantle works its way to the surface. At the surface, it erupts to form lava flows and ash deposits. Over time as the volcano continues to erupt, it will get bigger and bigger.

What are the different stages of volcanoes?

Scientists have categorized volcanoes into three main categories: active, dormant, and extinct. An active volcano is one which has recently erupted and there is a possibility that it may erupt soon. A dormant volcano is one which has not erupted in a long time but there is a possibility it can erupt in the future. An extinct volcano is one which has erupted thousands of years ago and there's no possibility of eruption.

Why do volcanoes erupt?

The Earth's crust is made up of huge slabs called plates, which fit together like a jigsaw puzzle. These plates sometimes move. The friction causes earthquakes and volcanic eruptions near the edges of the plates. The theory that explains this process is called plate tectonics.

Make your own Volcano * messy*

What you Need

- Something for a base (plate, cutting board, cookie sheet)
- Plastercine
- Paper cup
- Baking soda
- Vinegar
- Soap
- Food colouring



Step 1—Build base

- Place cup on base
- cover outside of cup in plastercine
- Decorate the base as you like

Step 2—Gather science supplies

- Put baking soda in to volcano
- Combine vinegar, soap and food colouring in a separate cup

Give each child an amount of the liquid and then let it pour it in to the cup

<https://happybrownhouse.com/simple-science-how-to-make-a-volcano-with-kids/>

Extra Craft

DIY Dinosaur Eggs—*Takes about 3 days to dry*

Materials

- 1-cup all purpose flour
- 1-cup coffee grounds (used or new)
- 1-cup sand
- 3/4-cup salt
- 1/2-cup water
- four to five small plastic animals or dinosaurs
- large bowl and a tray or plate to set the eggs out to dry.

To make the Eggs

- Add the flour, coffee grounds, sand and salt together thoroughly.
- add 1/2-cup of water to the mix *the less water used, the faster the dino eggs will dry*
- Take some of your sand mix, place a plastic dinosaur on top of the mix in your hand.
- Add the sand mix on top of the dinosaur, and begin packing around the sides.
- Continue adding the sand, flour, salt and coffee grounds mixture and form into an egg to completely cover the dinosaur.
- Form the egg shape back and forth in your hands until satisfied with the shape.
- place the eggs on your tray to dry (take approximately 3 days)
- Once eggs are dry break the eggs open and see what is inside

