Title: Fossils
Recommended for: 2-5 Year Olds

Objectives:
Children
• Creativity
• Cooperation/sharing
• Hand/Eye coordination
• Attention to detail

Adults
• Creativity
• Attention to detail
• Positive mood
• Hand/Eye coordination

Materials Needed:
• Flour
• Coffee grounds
• Shells
• Rocks
• Measuring cup
• Water
• Salt
• Leaves
• Bowls and spoons
• Newspaper

Methods:
Facilitator Preparation
1. Purchase or collect all ingredients.
2. Cover your workstation.
3. Place one bowl and one spoon with each IG pair.
4. Place the flour, water, coffee grounds, and salt in the middle of the table.
5. Wait to hand out the shells, leaves, and rocks until after the dough is mixed. Be sure to hand them to the adults.

Intergenerational Participants
1. Introduction-pair each elder up with a child and sing the hello song.
2. Have the IG pairs discuss where fossils come from.
3. Have the IG pairs work together to measure out and pour the water into their bowl. Hand the water to the adult and let them pour into the measuring cup.
4. Have the IG pairs mix the flower, water, coffee grounds, and salt.
5. Ask the IG pairs to form the dough into clay.
6. Ask the IG pairs to create a fossil using the rocks, shells, and leaves.
   a. Option: Pairs can use their fingerprint if they would like.
7. Clean up and sign the goodbye song.

Helpful Websites
• http://funschool.kaboose.com/globe-rider/earth-day/crafts/coffee-ground-fossils.html
• http://www.homegrownfun.com/how-to-make-homemade-fossils-classroom/

Special Considerations
• Ensure the children do not eat any of the products used to make the fossils.
• This activity can be done outside.
**Getting To Know You**

- “______ can you ask ______ what their favorite dinosaur is?"
- “______ can you ask ______ if they learned about fossils when they were in school?"
- Who studies dinosaur fossils? What do they learn from fossils? How long ago did dinosaurs live?
- What else do you use these items for?

**Encouraging Interaction**

- “Please ask your partner what fossils are?"
- Ask IG pairs to brainstorm together different types of fossils.
- Ask partners to pick their favorite type of fossil from the ones they made.
- Ask IG pairs to brainstorm how fossils are discovered.

**Extension Opportunities**

- Dinosaur craft project.
- Historical story time about dinosaurs or fossils.
- Searching for fossils in the sand activity.
- iPad apps on different types of fossils and how they are created.
- Visit a museum (or perhaps a geology department at a local university) to see fossils.