



FOSSIL IMPRESSION

Grades K-8



MAKE A FOSSIL IMPRESSION

Students will make a fossil impression using homemade salt dough

KONNICHIWA!

5 min

SNACK & FREE PLAY

30 min

STORY TIME

15 min

*4-8 Older students may choose to read their own books.

STEM TIME

50 min

Materials:

- Paper bowls, smaller is better
- Wax paper
- Bag of flour - we will use salt dough again in another month
- 2 Large containers of morton salt
- Water
- Bowls for mixing
- PVC pipe from the rocket Koa can be great for each student to have a rolling pin!

Konnichiwa is Japanese for hello!

Greet your students. Be friendly. Use their name, ask a question, give a high five, or thumbs-up! Take roll. Mark down which students took a snack and tally how many snacks were given out.

Enjoy Free Play:

Students will have their snack and enjoy time to free play.

Read the story:

Read the story of the day.

Make a Fossil Impression

Today students will get to make homemade salt dough. With their salt dough they will get to make a fossil impression, Native American pinch pot, or bones for the dig day.

Instructions:

Have students work together to make the salt dough. Salt dough is actually a very good low fire clay that can be baked in an oven or even set outside in the sun for the hot part of the day for 2-4 days to dry. Air dry clay can also be used but it is a lot more expensive.

Have students go on a nature walk to collect something, or bring something that they want to use to make an imprint in the dough: leaves, sticks, shells, toy dinosaurs, bones, etc.



GAME / SPORTS PRACTICE

25 min

* Older students may choose to practice their sport instead of playing the game of the day.

Materials:

-  Ropes
-  Buckets
-  Balls
-  Cones
-  Other items that may work for this game

HOMEWORK / FREEPLAY

20 min

CLEAN UP / DISMISSAL

5 min

Instructions:

Pair students up in groups of 5 to make salt dough using the recipe. Remind them to work as a team and allow everyone to have a turn with creating the dough. Roll out salt dough and cut out medium sized circles. Have students take their leaves, sticks, shells, etc., and make imprints into their circles of salt dough.

Recipe for each group of 5:

1. In a large bowl, stir together 2 cup of salt and 1 cup of warm water.
2. Slowly stir in the 2 cups of flour to the salt and water mixture.
3. Knead the mixture by hand to better combine the ingredients. The mixture should become doughy; add more flour if needed. Customize the amount of salt and water depending on your climate.
4. Divide the dough among the students and start creating!
5. Leave them in the sun to harden for 2-4 days.

Raptor Races

Players will race as raptors as they go through obstacle courses.

Instructions- Set up two identical obstacle courses spanning about the length of a basketball court. Organize players into two teams and have them line up next to each other. Match players up with opponents of similar size and ability. Two players will race at a time as raptors to make it from one end of the obstacle course to another. This game can be as creative as the STEM Coach wants it to be. They can run, leap, jump over, run around, army crawl through, and even skip or walk backwards through different parts of the obstacle course. As two raptor racers make their way through to the half point, two more racers may go. Once all racers have made it through, the game may begin again if the STEM Coach decides with re-organized lines.

Instructions:

Allow your students some homework time. If they need help let them know you can help them. If they do not have any homework they can have some reading time, or they can have free time to go outside and play.

Clean up/pack up/dismissal

Clean up, pack up and practice lining up.