



VOLCANOES AND DINO DIG PREP

Grades K-3/4-8



MAKE YOUR OWN MAP

Grades K-3 Your students will make their own volcanoes.

Grades 4-8 Your students will make a map of where they will bury their fossil for tomorrow's fossil hunt.

CIAO!

5 min

SNACK & FREE PLAY

30 min

STORY TIME

15 min

STEM TIME

50 min

Materials:

- Playdough
- Paper bowls
- Wax paper
- Bag of flour
- Two large containers of Salt
- Water
- Bowls for mixing
- 1-2 box baking soda
- 16 oz bottle vinegar
- Cylinders
- Mini Scoopy spoons
- Pipettes

Ciao is Italian 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. Older students may choose to read their own books.

Grades K-3: Make a salt dough volcano

Say- "Today we are going to make our very own mini volcanoes! Once we have made our volcanoes we get to experiment with volcanic eruptions."

Instructions:

1. Students can either use playdough or they can work together in groups to make salt dough.
2. Each students can use the dough to make their own mini volcano. Instruct them to form a caldera hole in the middle. Make sure it is not too deep.
3. Once all the students have formed the volcanoes, give them each a pipette and mini Scoopy spoon, then go outside to a dirt or grass area.
4. Set up three or four stations of cups or cylinders of baking soda and vinegar.
5. Students will set their volcanoes on the ground. Then they will take the pipette and spoon to one of the stations where they will fill the pipette with vinegar and scoop up some baking soda. Then they will carry it back to their volcano and put it into the caldera. The students do not need very much.
6. The students can have fun experimenting with setting off multiple mini volcanic eruptions!
7. When they are done with their eruptions you can either send the volcanoes home with the students for them to bake, or you can put the volcanoes on a tray on wax paper and have them dry out and harden, or you can bake them and then send them home with the students.

Ask- "How far did your lava flow?" "Did it stay close or go very far?"



STEM TIME

50 min

Materials:

-  Paper
-  Pencil or coloring utensils
-  Clipboard
-  Fossil, or salt dough dino bones, shells, or shark teeth, etc.

GAME / SPORTS PRACTICE

25 min

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

HOMEWORK / FREEPLAY

20 min

CLEAN UP / DISMISSAL

5 min

Grades 4-8: Make a map

Say- "Tomorrow we will get to do a fossil hunt! We will be hiding fossils for the K-3rd graders to find. To prepare for the hunt we will all go out around campus and find a place to hide our fossils! Then we will make a map for your peer's to use during the fossil hunt!"

Instructions:

1. Have students take a piece of paper, pencil, and clipboard with them outside.
 2. Students will find a place that they would like to hide their fossil for the fossil hunt.
 3. The students will then make a detailed map of the general area of where to find the fossil.
 4. The students can wait to hide their fossils until the day of the fossil dig.
- *Optional: Alternatively, if the spot can be closed off to students during the day the items can be hidden the previous day.

Brontosaurus, Brontosaurus, T-Rex

Players will play Brontosaurus, Brontosaurus, T-Rex. This game is a variation of the game Duck, Duck, Goose.

Instructions- Players will gather and sit in a circle. One player will be chosen to be "It." The player who is "It" will walk around the circle, and one by one tap the players on the head. As the player who is "It" taps each player, they will say "Brontosaurus." When the player who is "It" comes to the player they choose to be the T-Rex, they will tap them on the head then say "T-Rex!" The T-Rex will then jump up and begin chasing the one who is "It" in an attempt to tag them before they are able to make it around the circle and sit down. If the T-Rex is successful, the one who is "It" continues in that role, but if they are unsuccessful, the T-Rex now becomes "It." The game continues in this pattern.

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.

