



# Summer Camp

## Amazon Adventure Day 16

4-8TH GRADE

### WELCOME

(5 min)

**Instructions:** Say, "Today we get to make origami frogs, investigate soil to see how much water it can hold, and then we will make a fun treat!"



Remind students they have the opportunity to earn sand dollars when they complete a task, help another student, help set up or clean up, write in their journal, read a book, etc. Tally the amount of sand dollars that each student earned from helping and record it on the weekly pay role sheet.

### GAME TIME

(25 min)

#### POISON DART FROG

**Objective:** In this game, the poison dart frog has to "poison" as many other players by sticking their tongue out at them before the detective finds out who they are.

**Instructions:** Have the students sit in a circle. One student will be chosen to be a detective. The detective will leave the group and go somewhere where they can't see the group. All of the students will put their heads down and close their eyes. Quietly tap one student on the shoulder. This student will be the poison dart frog. When the poison dart frog has been chosen, the teacher will prompt the students to open their eyes. Then the detective will come back to the circle and sit in the middle of the group, and the game will begin. To play, the poison dart frog will try to be as discreet as possible when poisoning the others. When the frog makes eye contact with a student and sticks their tongue out at them, they will die a dramatic death and lie down! The detective will watch carefully and try to figure out who the frog is. They have between 3 and 5 guesses to guess the frog. When the frog has been discovered, or when the detective runs out of guesses, the game ends, and the frog will become the new detective for the next round.

### ART TIME

(30 min)

#### ORIGAMI FROGS

**Objective:** Students will follow along with a video to create an origami frog.

**Instructions:**

Say: "There are all kinds of frogs that live in the rainforest. There are frogs that are big, and frogs that are small. There are even frogs that bright colors like blue, orange, and yellow! Frogs have long legs, and are great climbers. All frogs are predators. Did you know that when a frog swallows, it swallows with its eyes? When it swallows, its eyes are pulled into the roof of its mouth, where the eyes push the food down the frogs throat! Isn't that so interesting?! Today we are going to make an origami frog!"

For the origami activity it is important to use square paper! Teacher can use a paper cutter to cut printer paper or thin colored craft paper into a square about 8.5x8.5, or use square origami paper. Thinner paper is easier to fold.

1. Have students follow along with the origami frog instructional video.
2. Encourage slow and careful folding.

#### Materials:

- Scissors
- Markers/crayons
- Paper- origami or square

### STEM TIME

(60 min)

#### INVESTIGATE SOIL

Say: "Hydrologists are scientists that study groundwater systems because they are such an important resource. You can investigate soil to understand how well groundwater deposits can recharge and how much water the soil can store."

## Materials:

- Spoons to dig
- Cups
- Dirt
- Water
- Tedros test tube
- Pippi pipette
- Thermometer
- Worksheets

## Instructions:

1. Students work with a partner to choose an area to investigate the soil outside.
2. Groups clear a small area so the soil is exposed.
3. Have students carry out and record their investigation of soil temperature, soil moisture, soil consistency, and soil color.
4. Students fill cups with dirt and measure the volume of it using Tedros test tube.
5. Students fill their test tubes to 50 ml and use this measurement to calculate how much water fits in their dirt.
6. Students drip water into their dirt-filled cups to determine how much groundwater they can hold. Ask: "Would your soil make an effective place for groundwater? Why or why not?" Example: Yes, a lot of water fit in my soil compared to the amount of soil that I had.

## STEM TIME

(40 min)

### Materials:

- Pudding (vanilla and chocolate)
- Oreo cookies
- Ziplock bags
- Cups
- Candy/dried fruits
- Spoons

## DIRT CUPS AND AMAZON TOUR

### Instructions:

1. Set out the supplies: cups, spoons, and Ziplock bags, as well as the canned pudding, cookies, a variety of candy or dried fruit for students to add as a topping.
2. Have the students crush up the Oreos in the Ziplock bags.
3. Students each get a cup and make their own dirt cups to enjoy as a snack.
4. Once all of the students have made their dirt cups, have them sit down and enjoy a video about the Amazon rainforest.

## FREE TIME

(30 min)

### Materials:

- Books/journals
- Various games

## GAMES, BOOKS, AND JOURNAL

**Objective:** Allow students time to connect with each other through a fun game or let them choose to read. If the students have not had time to draw/write in their camp journals, have them take some time to do so now.

## ART TIME

(60 min)

### Materials:

- Spoons
- Foil Pans 1 per group to mix in
- Paper plates 1 per student
- 2 cups all-purpose flour
- 2 cups salt
- 2 cups warm water
- Shells

## FOSSIL IMPRINT

**Objective:** Students make an imprint fossil using salt dough. Say, "At the bottom of the ocean is a lot of small particles of mud, sand, and dead sea creatures that are constantly falling through the water and covering the sea floor. When creatures dig or burrow or come to rest in this mud the shape can be preserved as an imprint. We get to make our own salty ocean floor mud. What kind of imprints will you make?"

**Instructions:** Have students go on a nature walk to collect something that they want to use to make their imprint: leaves, sticks, shells, toy dinosaurs, bones, etc. This is a great activity to do outdoors, but can be done inside the kitchen as well! Pair students up in groups of 5 to make salt dough using the recipe. Roll out salt dough and cut out mediums sized circles. Have students take their leaves, sticks, shells, etc., and make imprints into their circles of salt dough.

1. In a large bowl, stir together 2 cups 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.
4. Divide the dough among the students and start creating.
5. Leave them in the sun to harden for a day or 2. Ask: "Have you ever sculpted with clay or play-doh?" - "What types of materials make good imprints?"