



BRINE SHRIMP AND SNACK DAY

Grades K-3/4-8

STUDENTS OBSERVE FRESHLY HATCHED BRINE SHRIMP

K-8 Students will make a healthy snack

4-8 Students will observe their shrimp

ALOHA!

5 min

Aloha is Hawaiian 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.

SNACK / FREEPLAY

30 min

Enjoy free play:

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

STORY TIME

15 min

Read the story:

Read the story of the day. Older students may choose to read their own books.

STEM TIME

50 min

Grades 4-8: Observe freshly hatched brine shrimp

Students observe their newly hatched brine shrimp. This activity will work best with microscopes if available.

Materials:

- Brine shrimp in Tedros test tubes
- Yeast
- Spirulina powder
- Petri dishes
- Pippi pipettes
- Scoopy spoons
- Meeka microscopes
- Pencils
- Baby Shrimp Birth Certificates

Instructions:

1. Watch the teacher prep video before conducting the lab.
2. Show students the in-class video.
3. Students use Pippi pipette to transfer some of their brine shrimp from their Tedros test tube into a petri dish to observe under Meeka microscope.
4. Students observe their brine shrimp with Meeka microscope, filling out their Baby Shrimp Birth Certificate with their observations.
5. In order to care for their brine shrimp, students must blow into the water with a straw or Pippi pipette for 10 seconds once a day to oxygenate the water. To feed their brine shrimp, students should put a tiny Scoopy spoonful (a pinch) of spirulina powder in the water and another Scoopy spoonful (a pinch) of yeast in the water. Brine shrimp have special needs when they are newly hatched; their mouths are too small for them to eat spirulina powder. Yeast cells are about the size of bacteria, and so the hatchlings can eat the yeast. When the shrimp grow a little larger they will eat the spirulina powder. Too much yeast (more than a pinch) will kill them. Students should then put a small Scoopy spoonful of spirulina powder in the water once every few days until the water is a little green, then leave it alone for a while. If the water is a little green, the shrimp have plenty of food; they should not be fed every day or the water will become dirty with uneaten food. Brine shrimp are filter feeders, so if the water is a little green, then they have plenty of food.



Materials:

- Rice cakes
 - Almond butter
 - Bananas
 - Blueberries
 - Paper plates
 - Plastic spoons
- *STEM coaches, pre-cut some of the rice cakes into triangles, and slice the bananas.

SPORTS / GAMES

25 min

*Older students may practice their sport if they don't want to play the game.

Materials:

- Pencil and paper for every student

HOMEWORK / FREE PLAY

20 min

CLEAN UP / DISMISSAL

5 min

Grades K-8: Make a healthy snack

Today the students get to make a healthy and fun treat! They can follow the example or make a creation of their own using the food supplies available to them.

Instructions:

1. Set out the ingredients for the students. They will each get a paper plate with a plastic spoon, and a full size rice cake, triangle rice cake, some almond butter, blueberries, and sliced bananas.
2. Have extra ingredients ready for the students to make another snack or to add onto their first creation.
3. Students can be creative and design their food craft into a fish or another fun creation!
4. Enjoy!



Let's be scientists

Objective- Students will become scientists as they explore their surroundings in their scientific teams and record the observations they make.

Instructions- Choose a large open space for the scientists to explore. Organize the students into Scientific Teams of about 2 to 3 students each. Each scientist will have a paper and pencil with them. Once all the teams are organized and ready to go, have the scientist teams go out and explore the school yard together. Encourage the scientists to observe the insects, animals, and nature around them, and write down or draw the things they see.

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.