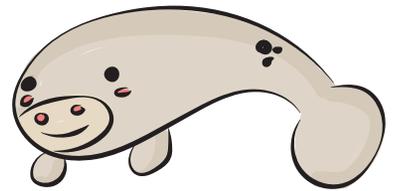


33°F



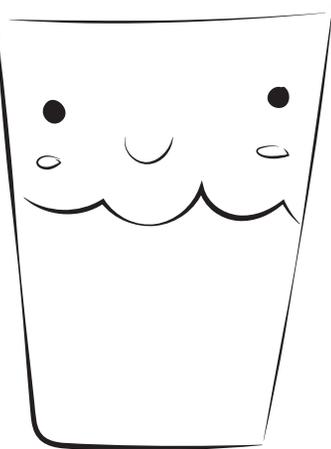
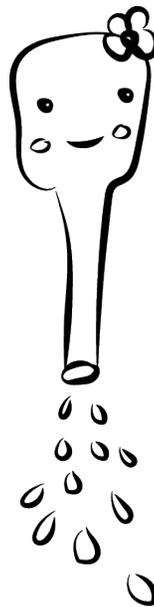
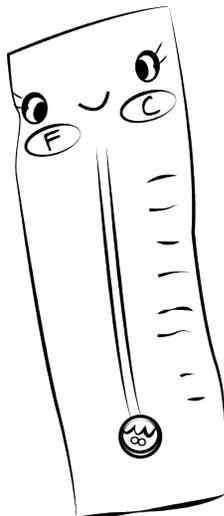
72°F



80°F

Mix the temperatures that these animals like best!

What you will need:
Therma thermometer, Pippi pipette and a cup.



Show the photo and lead a discussion.

Practice mixing temperatures

Can you mix your water to be the temperature that is just right for an orca whale? How about a bonnethead shark, or a manatee?

Prepare

Wake Kea up for STEMtaught Science time! Each student will need:

- One Thermo thermometer
- One Pippi pipette
- One paper or plastic cup for mixing water. The cup must be large enough to insert the thermometer into. You can also use the graduated cylinders in Kea.

Activity Preparation: This activity is best done outside. Divide your students into groups of 4-6 students. Place a container of ice, a container of water and an empty container in each group area. You can also give each student a cup or graduated cylinder from Kea to mix their water.

Explain

You are going to be mixing your water to try to make it about the perfect temperature for a manatee (80°F), a bonnethead shark (72°F) and an orca whale (33°F).

Explore

Activity Plan:

Your students are simply going to practice mixing water and reading a thermometer to make water that is about 33°F, 72°F and 80°F. Help them practice spotting the top of the red line to read the closest number. If your students skip-count by two, they can read the thermometer more accurately.

1.

Put water in your cup and measure its temperature

2.

Play and experiment with ice and water to mix water of different temperatures

3.

See if you can mix water that is 33°F, 72°F, and 80°F

STEMtaught promotes learning through play. It is okay for this activity to be free and unstructured. Simply walk around the room and talk to your students about their warm and cold water. Compliment them for mixing special temperatures that these animals really like!