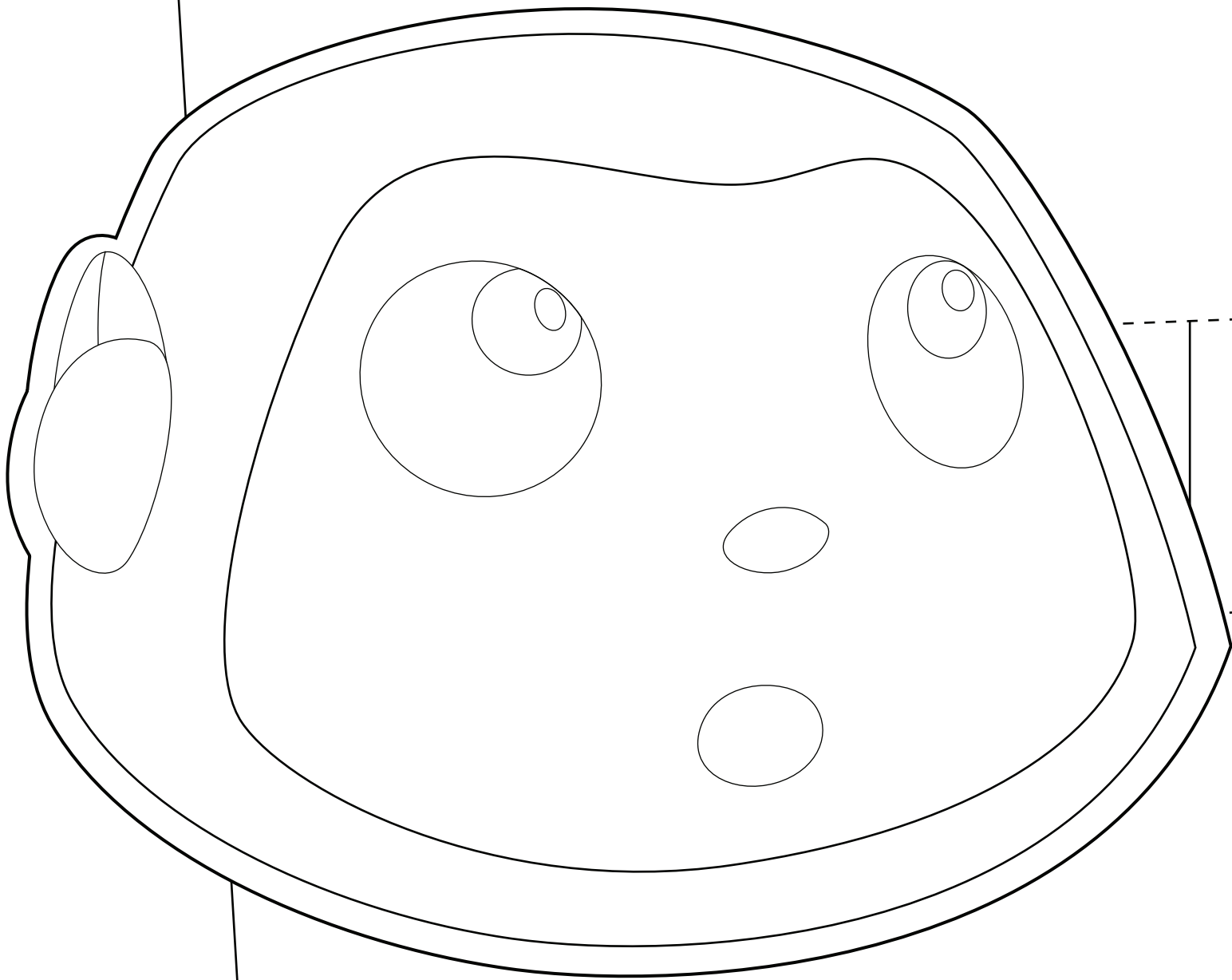


JOHN THE BAPTIST

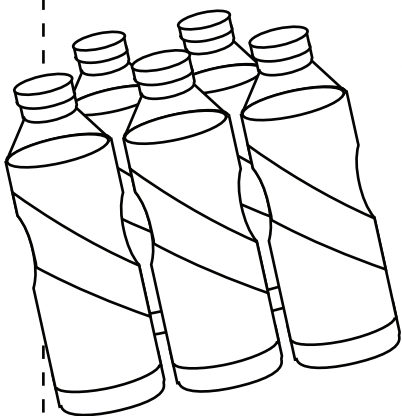


STEM ACTIVITY

WHAT YOU NEED

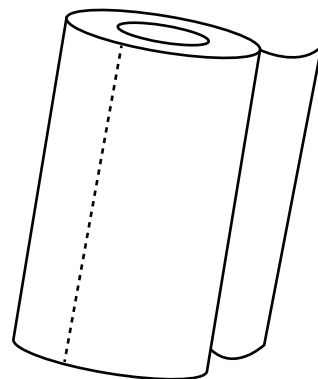
WATER

Enough to fill the small tub or container.



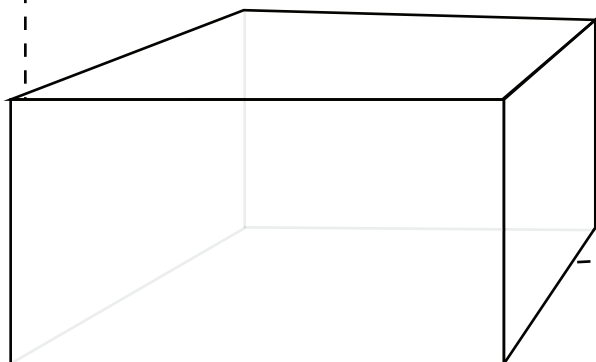
PAPER TOWELS

... or a regular towel for cleanup and spills.



CONTAINER/SMALL TUB

Does not have to be very big.



SOME OR ALL OF THESE ITEMS:

Straws

Gummy Snacks

Pennies

Cracker (Saltine)

Rock

Grapes

Shell

Paper Boat (page 3)

DIRECTIONS

DOES IT FLOAT?

STEP 1

Place a towel down, then set your container on top of the towel. Fill the container up about halfway to the top with water.

STEP 2

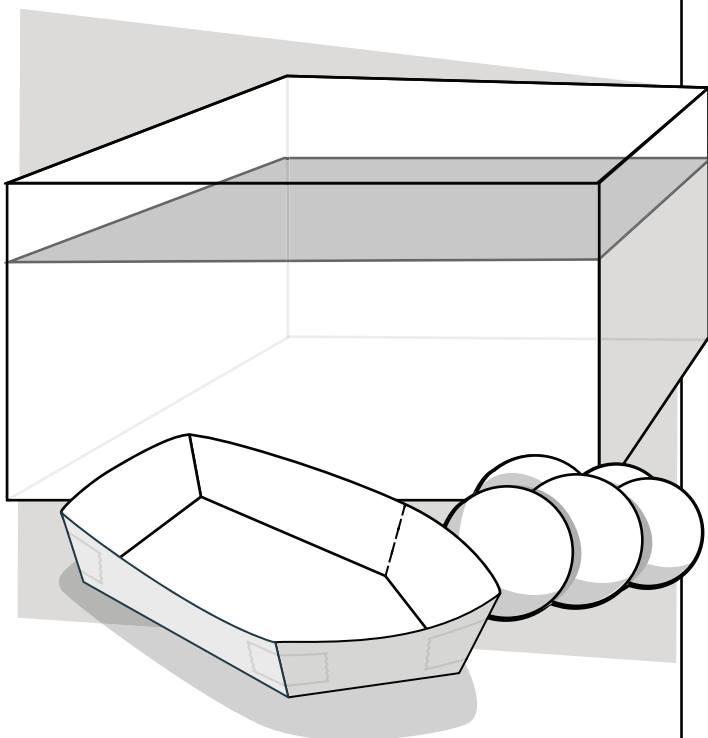
Build the boat on page 3, you'll need scissors and tape. Ask an adult for help with the scissors.

STEP 3

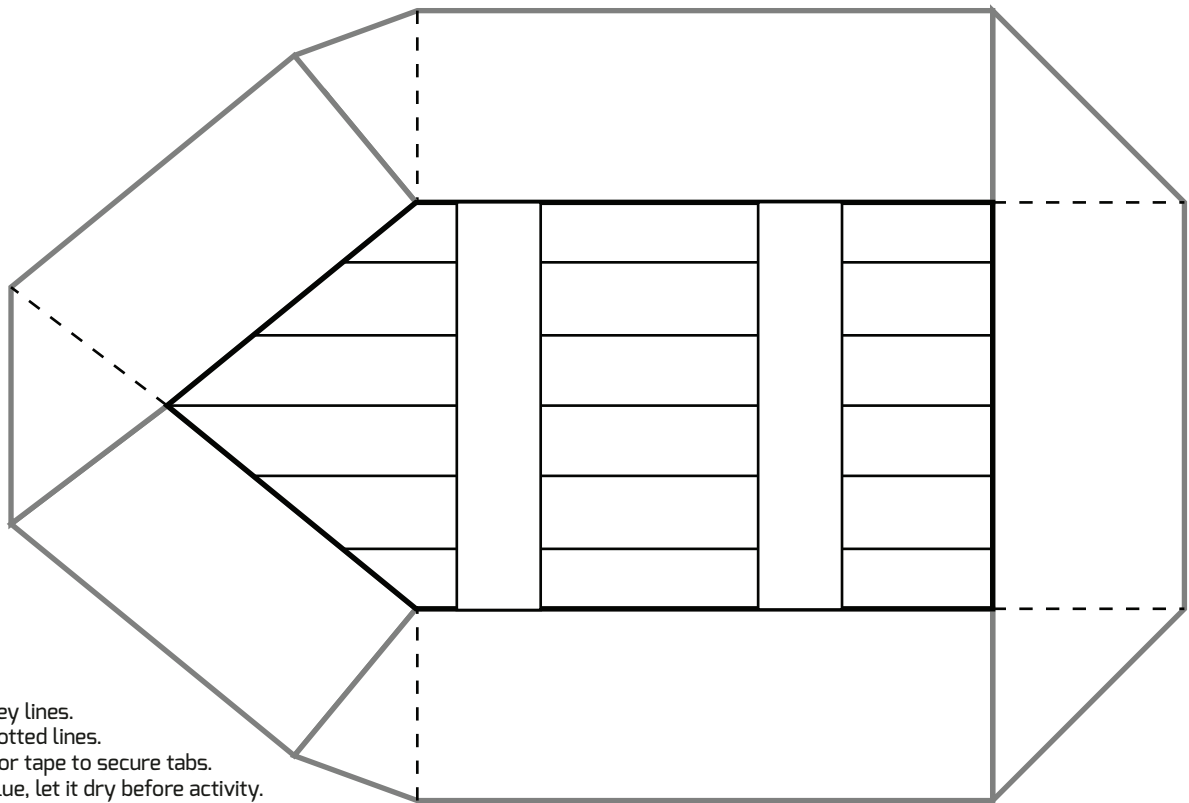
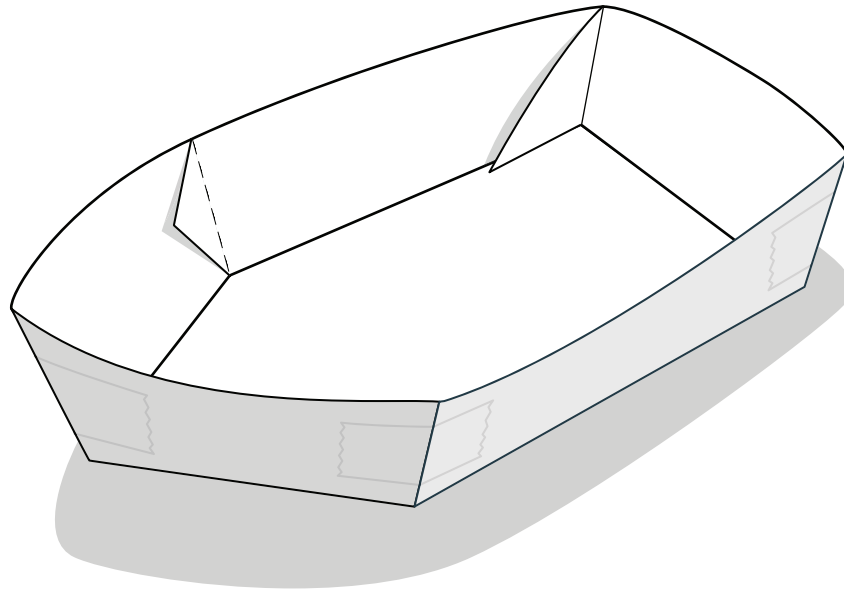
Place each item in the water to see if it floats or sinks. Record your answer on the Does it Float worksheet.

STEP 4

Which items surprised you when they floated?



MAKE A PAPER BOAT



Cut on grey lines.
Fold on dotted lines.
Use glue or tape to secure tabs.
If using glue, let it dry before activity.

DOES IT FLOAT? WORKSHEET

IT FLOATS!

CIRCLE THE ITEMS THAT FLOAT

Straws
Pennies
Rock
Acorn Shell
Gummy Snacks
Cracker (Saltine)
Grapes
Paper Boat

IT SINKS!

CIRCLE THE ITEMS THAT SINK

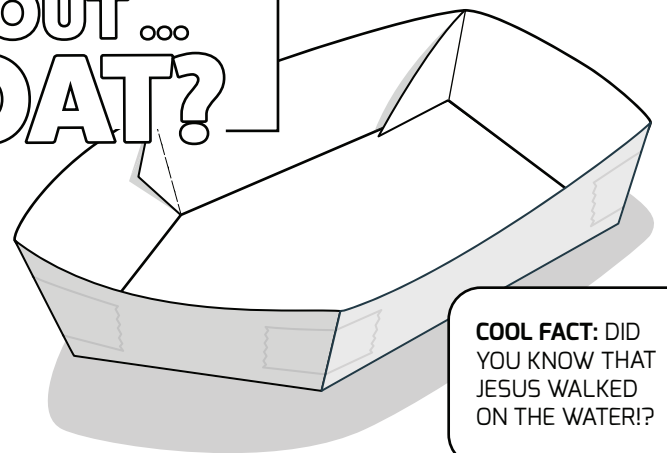
Straws
Pennies
Rock
Acorn Shell
Gummy Snacks
Cracker (Saltine)
Grapes
Paper Boat

WHAT ABOUT... THE BOAT?

WHY DO SOME THINGS FLOAT?

If the item has the same density as the liquid, then its buoyancy is the same as its weight. It will not sink or float.

An item with a higher average density than the fluid has less buoyancy than weight, and it will sink. That is why pebbles do not float.



COOL FACT: DID YOU KNOW THAT JESUS WALKED ON THE WATER!?

BUT WHAT ABOUT BOATS?

Real ships made with steel or wood are denser than water, but they can float because the ship's hull contains a mass of air and the resulting shape has an average density less than that of the water.

DO YOU THINK GIZMO COULD FLOAT?

YES or NO? Why do you think that?

