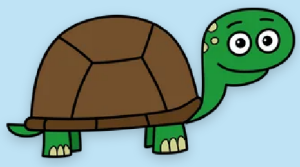
SCIENCE · SINK OR FLOAT · GRADES 2–5

Clay Boat Challenge

An engineering challenge: shape clay into a boat that floats and holds as many pennies as it can.



Name: _____ **Date:** _____

The challenge: a ball of clay sinks. Can you change its shape so it floats and carries cargo? **You need:** a ball of clay the size of a golf ball, a tub of water and pennies.

1. Ask

Why does the ball of clay sink?

2. Plan

Draw your boat shape.

3. Test

How many pennies did it hold?

Boat	What shape I made	Pennies it held
1		
2		
3		

What shape held the most pennies? Why do you think it worked?

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