

Build A Boat That Floats!

Inspired by *What Floats in a Moat?* by Lynne Berry

Goal: Design and build a boat that will stay afloat while carrying small objects.

You might use:

- Building materials: clay, tinfoil, craft sticks, twigs, toothpicks, paper, cork
- A bowl, tub, or sink
- Water
- Small objects: pennies, pebbles, toys

What to do:

- Test the building materials. Find out what happens when the materials are placed in a container of water.
- Select the materials you want to use to build your boat.
- Make a drawing to design your boat.
- Build your boat.
- Test to find out if the boat will float while carrying small objects.
- Keep testing and making changes until you are pleased with your boat.

To Think About:

- What do you think a boat builder should consider when designing a boat? Think about the boat you designed. How could you make your the boat more stable? Carry more weight? Move more quickly?
- What are different types of boats designed to do? Research and find out.

