



CIVIL ENGINEERING | BOAT BUILDING

Description

SKILL LEVEL: BEGINNER

In this engineering challenge, you will be using principles of civil engineering to build your very own boat!

This activity will work great when done either solo or in small groups. The materials listed below are just suggestions, so feel free to use any combination of them or add your own. This craft is all about student creativity, so encourage them to experiment and use their imagination in their designs!

Test their boats! After students have finished building, you can test their designs by placing them in a container of water to see if they float. You can also place pennies on the boats to see which can hold the most weight.



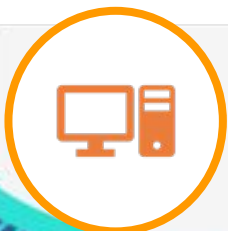
Possible Materials

- Tin foil
- Wooden dowels
- Popsicle sticks
- Corks
- Modeling clay
- Plastic straws
- Toothpicks



Directions

1. Use the available materials to assemble different boat designs
2. The example designs in the video can be used for inspiration!
3. Place the boat in water to see which boat can float the best and hold the heaviest weight



[Video Instructions](#)