

Today's  
Challenge:  
Build a Tiny  
Sailboat



The background of the image shows a sailboat on a body of water. The water is covered with many small, brown, cork-like objects. A white text box with a brown border is centered over the image. The text inside the box is written in a casual, handwritten style. The sailboat is visible at the top and bottom of the frame, with the name 'SEAWIND' on its side.

## IMPORTANT NOTE:

YOU WILL BE RETURNING THE  
SUPPLIES AT THE END OF  
CLASS.

It took me years to collect these corks and I  
want them back!



## Materials

- Up to 3 corks
- Two rubber bands
- Toothpick
- a square of wax paper
- (MAYBE) aluminium foil

## Think/Ask

- How can you make sure your boat floats?
- How can you make sure your boat is balanced so it doesn't capsize (flip sideways or upside down)?
- Can you build a sailboat that catches the "wind"?





# Design



Write your design out  
on your whiteboard.  
Make sure to plan to  
use all your materials.  
You have 5 minutes.

05:00

TIMER

## Build

- You have 20 minutes to build your working sailboat...
- You can test it in the water to make sure it works during your building time.



20:00



## Test, Rebuild

- Does your sailboat work?
- Does it travel across the water in the "wind"?
- If not, try to redesign your boat.