

Name: _____ Date: _____

Raye Montague said,

"Always remember that just because someone says 'you can't,' that doesn't mean you have to stop. You might have to take a different direction, and it might take you a little longer, but you CAN achieve your dreams!"

What is a dream that you have already reached?

What did you do to achieve your dream?

Think about the quote. What is a dream that you have now?

How do you think you will reach that dream?

What is a different way you might be able to reach that dream?

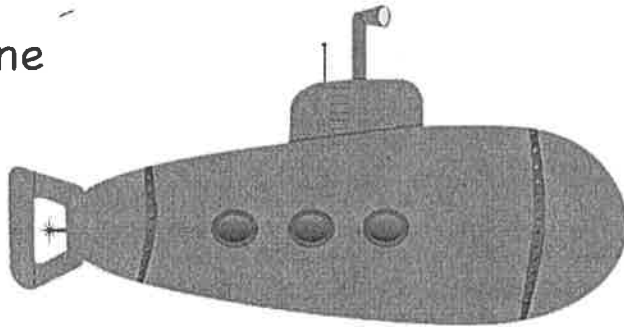
STEM

Create a Submarine Challenge

- Working with partner, can you create a submarine that sinks under the water, but does not touch the bottom of the container?
- You will have 15 minutes to build the ship before the final test. You can test it as you go and improve it as needed.

Materials per group: - plastic bottle
- small marbles or pennies

Tools: - none



Beforehand:

- Collect small plastic bottles that coins or marbles will fit through the opening.
- Gather pennies and marbles.
- Set up testing stations. The number will depend on your need. This can be as simple as your sink. It could be clear plastic tubs or an unused fish tank.

Submarines

1. Submarines are ships that can go underwater.
2. A submarine has something called ballasts to help it stay under the water. Ballasts are big tanks that fill up with water when the sub wants to go down. When the sub wants to come back up some water is let out of the ballasts.
3. Submarines have propellers on the back of them to help push them forward.
4. Submarines use sonar equipment to find their way because the water is dark.
5. Submarines also have periscopes that can be used to see what is going on above the water.

