

Float your Boat

STEM Challenge



The Problem:

Stanley's little brother's favorite toy, a toy boat, broke today! His brother won't take a bath without it and is getting kinda stinky.... so Stanley has decided to take action.

Design Challenge:

Design a toy that can float in the bathtub for at least 10 minutes without sinking. Don't forget, every boat needs a crew so make sure it can support the weight of three army men toys or lego people!

The Process:

1. Identify your constraints and your opportunities.
What materials do you have in your house?
2. Imagine a solution! Brainstorm together.
3. Draw your idea and make a list of your materials.
Find what you need.
4. Create and test your design.
5. Revise your design if you need to!

Share your solution with us on Facebook and Instagram using #sparkmuseum.

