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Build a Boat Challenge

Boats come in a lot of different shapes and sizes. These differences in design are because not all boats have the same job. If a boat's job is to go fast across a body of water it is going to look different than a boat that has to carry a lot of cargo.

Materials

- Tin Foil
- Tape
- Cardboard
- Popsicle sticks
- Paper
- Coins (for testing)
- Something to float your boat in (bowl, pool, tub, etc)

First make a boat that floats. Make the hull for your boat. You can use other materials than the ones listed if you want if you have them at home, the list is a suggestion. Fill a container with water and use that to test your boat. Once you have a boat that floats, use coins to see how much weight it holds. Calculate how much your boat was able to hold using the chart of coin weights below.

Coin	Weight
Penny	2.6g
Nickel	5g
Dime	2g
Quarter	5g
Half Dollar	10g

Dollar	8g
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Challenge

Try to make a boat with each of the different hull shapes and try to figure out what that hull shape is best designed to do.

