

#3 Sail Away CHALLENGE

Lakeshore® Summer LEARNING CHALLENGE

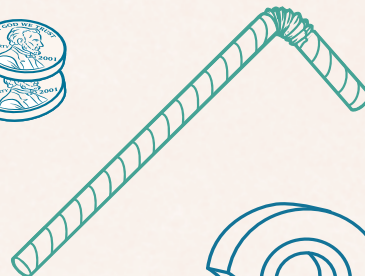
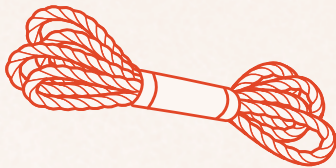
SWEEPSTAKES

The Challenge

Use household items to create a sailboat that floats when it's full of pennies... and really sails across water when you blow on it!

Materials

- Plastic or foam food trays
- Plastic bags
- Rubber bands
- Straws
- Tape
- String
- Glue
- Chopsticks
- Aluminum
- Water table or tray filled with at least 5" of water
- Small bag of pennies



How-to

Imagine: Take a look at the building materials and imagine what your sailboat could look like. Draw a picture of the sailboat you want to make.

Build: Assemble your sailboat!

Play: Place your boat in water and slowly fill it with pennies. Count to 10...is your boat still afloat? Now blow on your boat. Does it move forward at least 10 inches? If not, think about what you could do differently and try again!

TIP! Even big, heavy boats can float because of something called buoyancy. Buoyancy works against gravity to keep boats from sinking. The more water a boat can displace—or push out of the way—the more buoyant it will be. Design your boat with a big surface area so it can displace enough water to stay afloat!



Share: Snap a photo of your sailboat and upload it at www.lakeshorelearning.com/summerchallenge for a chance to win a \$500 Lakeshore e-gift card!