

JUNGLE ISLAND

Float Your Boat

Material:

- Aluminum foil
- Popsicle Sticks
- Glue
- Masking Tape
- Recycled Water Bottle Or Plastics
- Duct Tape
- Bucket
- Water

Objective: Explorers learn about the importance of buoyancy in the water while using their creativity to design their own boat!

Lesson

What is buoyancy?

Explain to explorers they will have to design a boat that demonstrates buoyancy. Ask them what they think buoyancy is. Once you receive some answers, tell kids that it is when something has the capabilities to float in liquids.



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- Lay out all material on a table
- Give them roughly ten minutes to discuss a game plan for their boat (Ex: what materials from the table do they want to use, how big do they want to make it, etc.)
- After ten minutes, let your child take some items off the table.
- Once each child has all their materials, give them 20 minutes to build their boat (*Remind them that their goal is to make a boat that is buoyant*)
- After 20 minutes get several buckets with water
- One by one, have kids place their boat into the bucket of water.
- Have kids in the group count to ten seconds to see if the boat can really float
- Ask explorers their observations:
 - What material worked better? What would they do differently next time?

