DIYs » Stem Activities » Quick Easy Experiments » Age 3 - 5 » Pool Noodle Boat

**** **Pool Noodle Boat** Stem Activities





Less than 30 minutes



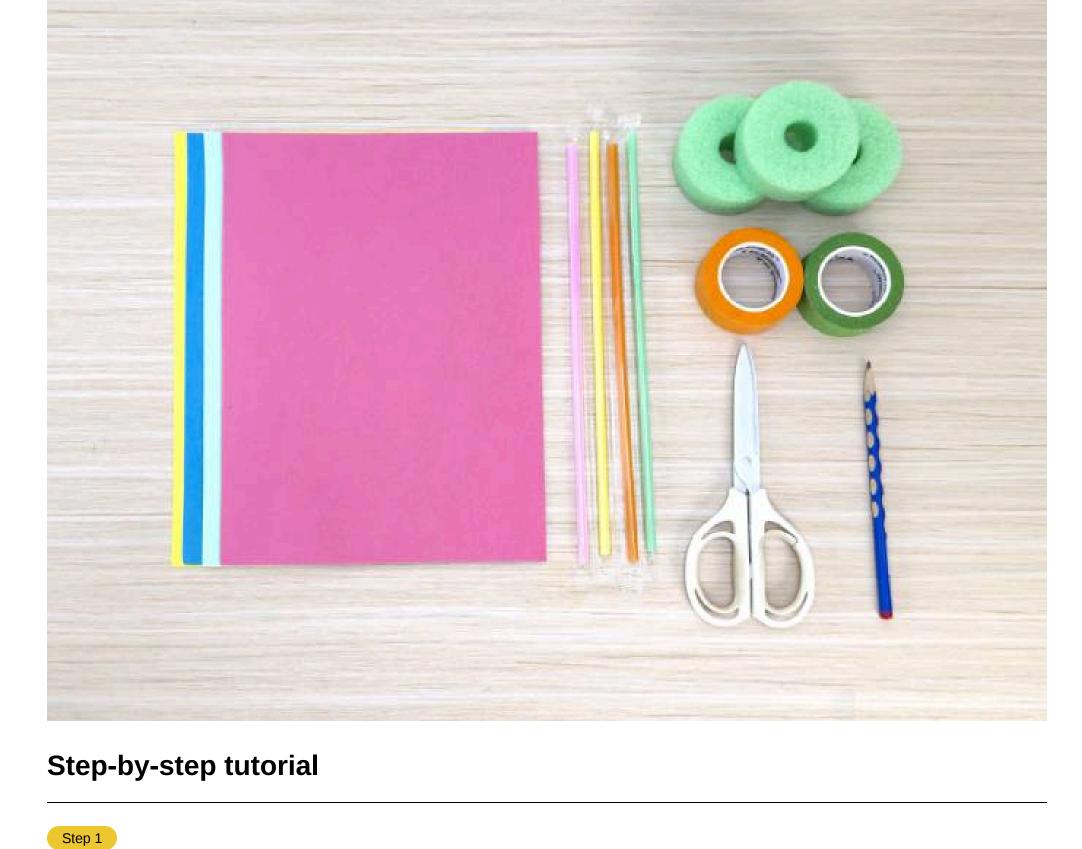


Ever wondered why pool noodles float instead of sink? Let's explore the science behind it by creating pool noodle boats using simple household materials! These boats make bath time more fun and educational.

Drinking straws

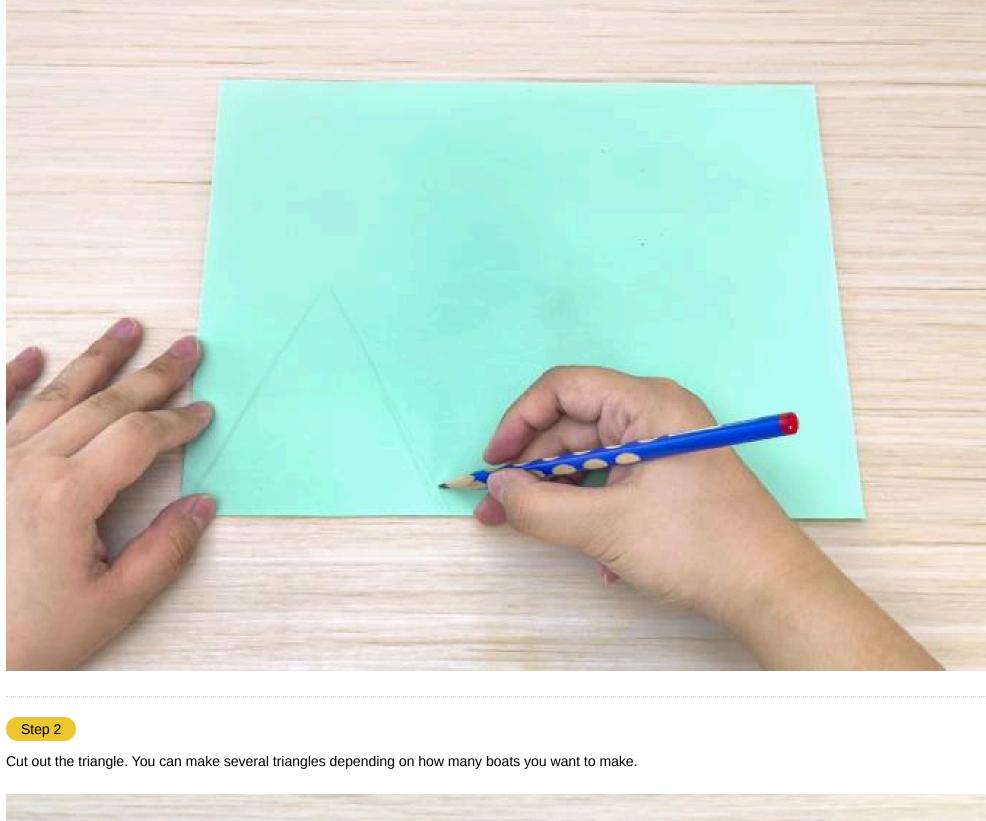
Materials Needed

Colored foam paper Pool noodle pieces Colored paper tape Scissors Pencil

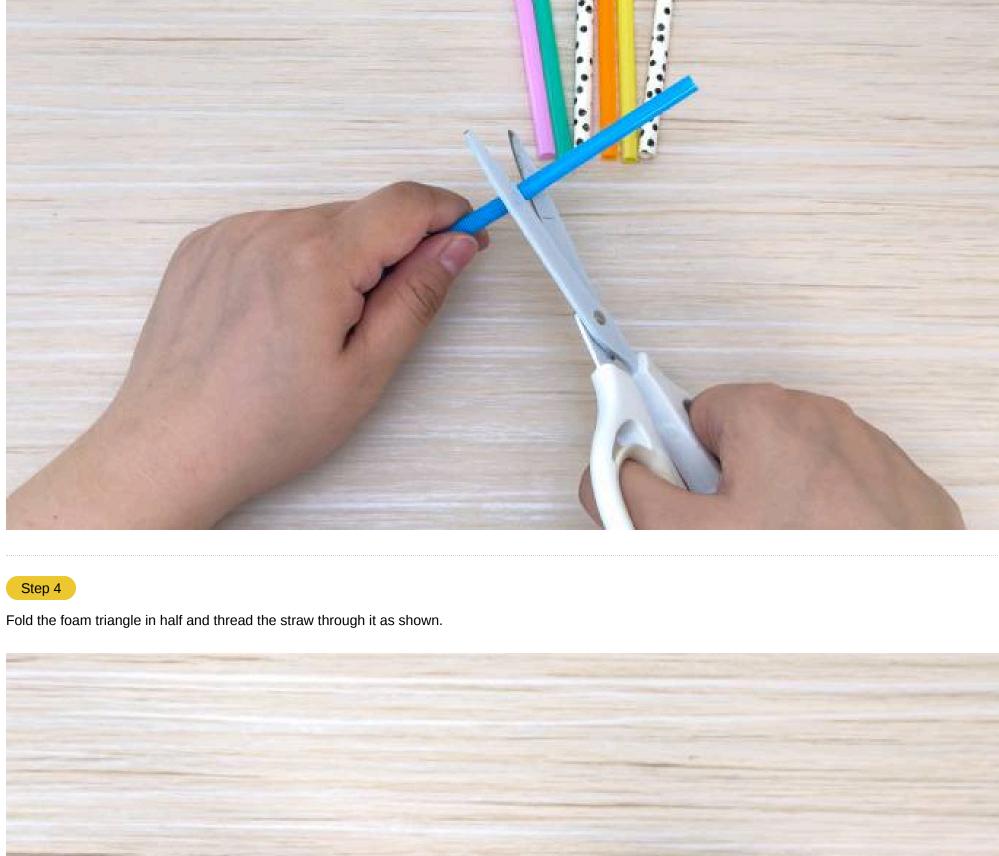


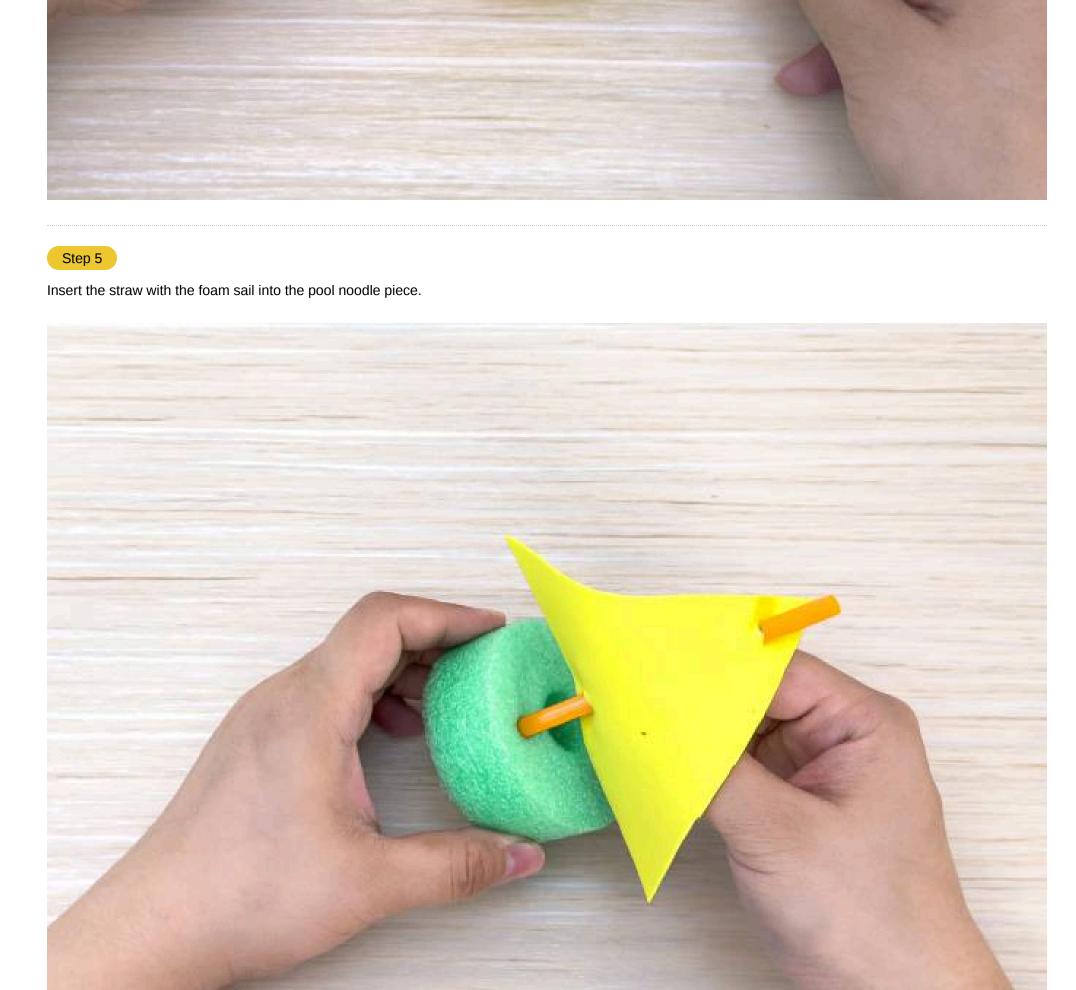
Draw a triangle on the foam paper using a pencil.



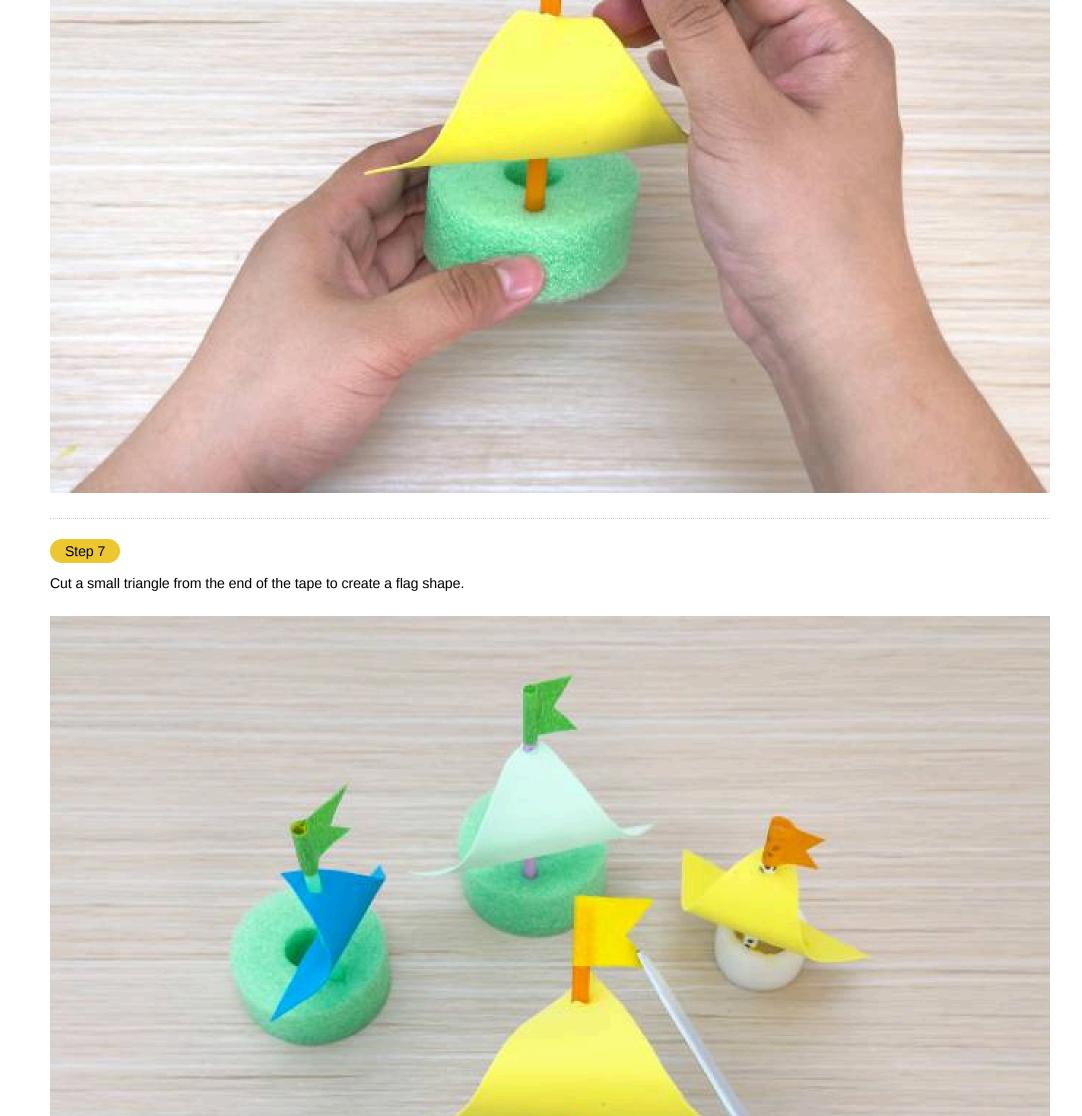


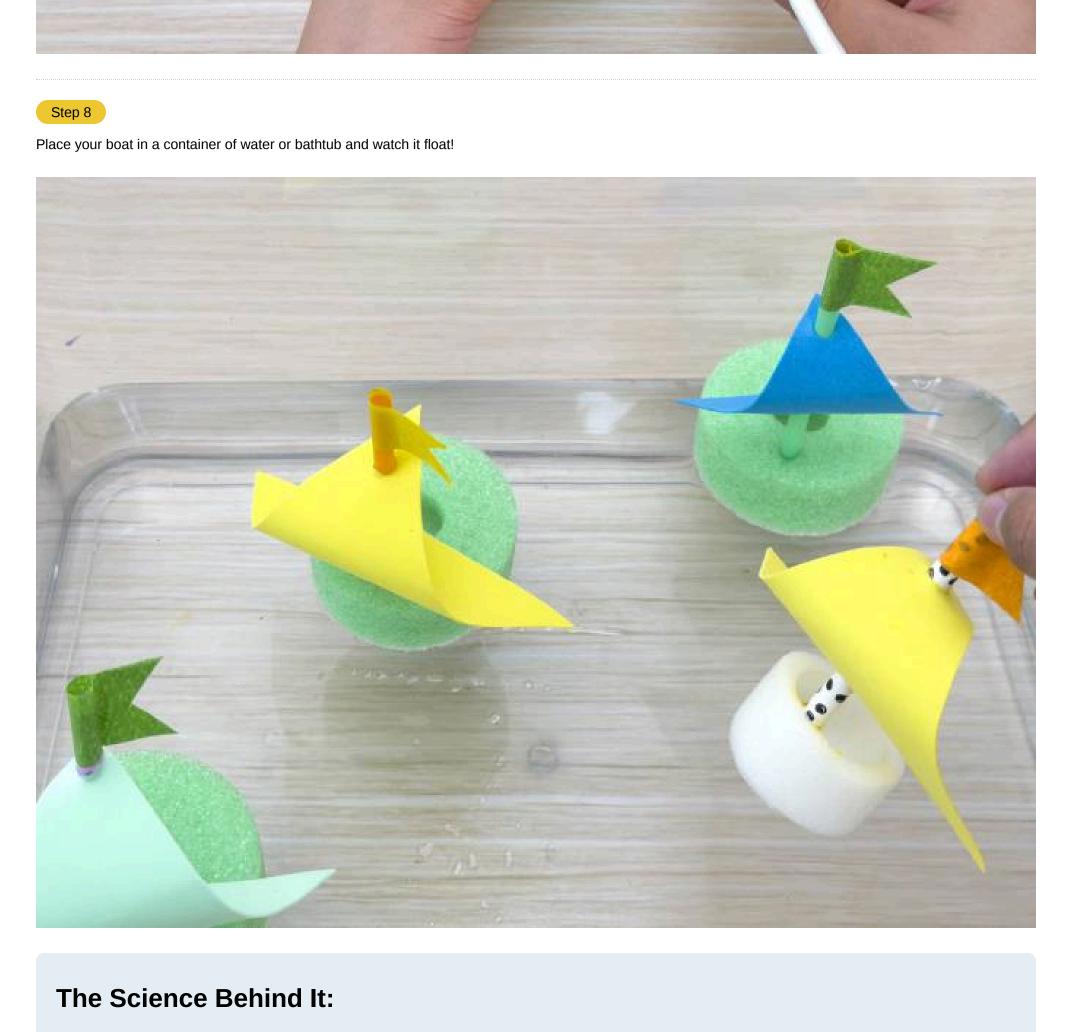






Step 6 Cut a piece of colored paper tape and attach it to the top of the straw.





Boats float due to buoyancy - an upward force exerted by liquids on objects. When your boat is placed in water, the water pushes up while the boat's weight pulls down. When the pool noodle displaces enough water, the buoyant force overcomes the boat's weight, allowing it to float. This is the same principle that keeps pool noodles floating in swimming pools.