

Squid Locomotion



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Preschoolers
2.5 - 4 years

This fun science experiment uses a balloon, water, and the top of a dish soap container to teach children about propulsion and squids!

Learning Outcomes

Domain:

Cognition

Indicator:

Brainstorming solutions and outcomes

Skills:

Problem-solving



Materials

- Balloon
- Dish soap top
- Water
- Food coloring
- Large container
- Sharpie (optional)



Instructions

Step 1: Very carefully place the balloon over the end of a faucet and fill it halfway.

Step 2: Remove from the faucet and add a couple drops of food coloring.

Step 3: Place the dish soap top inside the end of the balloon. The balloon should fit snug around the dish soap top. Blow some air into the balloon and then close the lid.

Step 4: Fill a bathtub, sink or large container with a couple of inches of water.

Step 5: Place the balloon in the water and open the soap top.



Age Adjustments

For older preschoolers: Let them try themselves to add the soap top, and take it outside if the weather is nice as it could turn into a water balloon fight.

For younger toddlers: Let them draw on the balloon before adding the water.



Playful Questions

- How do squids swim?
- What color are squids?
- Where do they live?
- What does a squid eat?
- Do squids have bones?