

# Science Play



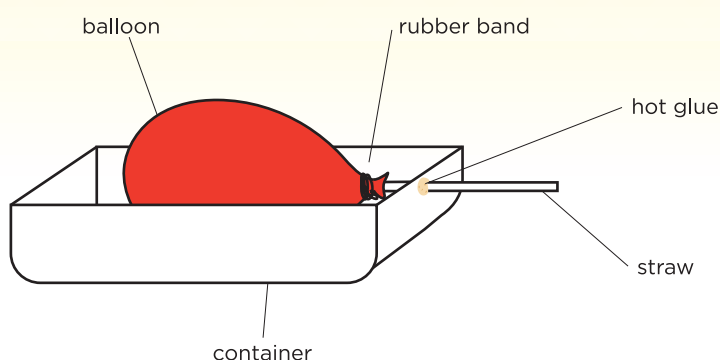
Suggested Activities For Educators



Extend your students' learning after their visit to KidsSTOP™ with the activity provided!

## Fun in Motion

### Make a balloon-powered boat



Balloon-powered boat after assembly

#### What you will need

- Container
- Hole puncher
- Plastic straw
- Rubber band
- Balloon
- Hot glue
- Pool of water

#### PROCEDURE

1. Using the container as a boat, punch a hole on one of its short sides.
2. Slide the balloon onto one end of the straw and secure it with a rubber band.
3. Stick the straw through the hole of the boat with the balloon on the inside of the boat.
4. Hot glue around the straw on both sides.
5. Blow the balloon, hold the straw tightly and release it in the water.



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## QUESTIONS TO ASK

- What is in the balloon when it is inflated?
- Will the boat move faster if there is more air in the balloon?
- What happens to the balloon after you release it?



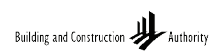
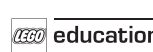
## SCIENCE CONCEPTS

- As the air rushes out of the balloon, it creates a forward motion called thrust. Thrust is a pushing force.
- In some vehicles, thrust is created by the force of burning fuel as it blasts from the engine and pushes the transport forward.



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