



Rockets

Materials Needed

An empty bottle

Plastic film

Baking soda

Vinegar

A cork that fits the empty bottle

Instructions

1. Put 1 table spoon baking soda into the plastic film
2. Fill the bottle with vinegar until it's almost half full
3. Go outside
4. Put the plastic film with baking soda in the bottle, put the cork and the bottle, shake the bottle and put the bottle on the launch platform
5. Try different proportions of the baking soda and vinegar, to see what this changes: does your rocket go higher, or does it take off faster?

Hovercrafts

Materials needed

An old CD or DVD disc

A balloon

A pop-top cap from a liquid soap bottle or a water bottle

A hot glue gun

Instructions

1. Cover the center hole of the CD with a piece of tape and poke about 6 holes in the tape with a push-pin or small nail. This will slow down the flow of air and allow your hovercraft to hover longer.
2. Use the hot glue gun to glue the cap to the center of the CD or DVD disc. Create a good seal to keep air from escaping.
3. Make sure the pop-top is closed and fit the neck of the balloon over the pop-up portion of the cap.