

Lever Catapult

You will need

1. Cardboard
2. Pencil
3. Plasticine or blu tac
4. Rubber band. A thicker rubber band provides more tension.
5. Plastic spoon
6. Masking tape
7. Scissors
8. Marshmallows

Method

1. Cut the cardboard into 2 pieces the following approximate sizes:
2. 15cm x 15cm (this is the base) 5cm x 15cm (this is the lever)
3. Fold the 5cm x 15cm piece of cardboard in half so you get a folded piece 5cm x 7.5cm. This is the lever.
4. Pierce holes (using the pencil and plasticine) in the centre of each side of the lever.
5. Pierce another small hole in the middle of the 15cm square cardboard base.
6. Cut the rubber band and knot one end.
7. Pull the rubber band up through the cardboard base & through both holes in the folded cardboard lever. The knotted end of the rubber band will be under the cardboard base.
8. Tape one side of the folded cardboard lever to the base.
9. Knot the other end of the rubber band tightly. The shorter the length of rubber band between the knots, the more tension you create in the folded cardboard lever.
10. Tape the plastic spoon to the upper side of the cardboard with the bowl of the spoon facing downwards towards the base.
11. Pull the spoon back, put the object to fling into the bowl of the spoon, pull it back right back and try catapulting.

