

Pyramid Catapults

You will need:

6 equal lengths of wood or sticks

A plastic cup

9 elastic bands

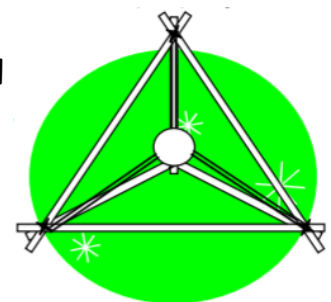
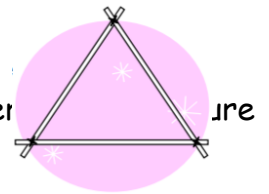
Pencil

Blu tac



Method

1. Arrange 3 of the lengths of wood/sticks into a triangle with the ends overlapping the ends using an elastic band.
2. Using the 3 remaining lengths of wood/sticks, attach one at each joint.
3. Then join these 3 lengths of wood/sticks together to give a free-standing pyramid.
4. Using the blu tac and pencil, make a hole in the top of the plastic cup.
5. Next make two more holes in the cup so that you now have 3 holes in the rim spread around the rim.
6. Pass the elastic bands through the holes in the cup and tie them on.
7. Attach the free ends of the elastic bands to the 3 corners of the pyramid so that the cup is suspended in the centre.
8. Your catapult is ready to use. To fire, place an item in the cup, pull



Lever Catapults

You will need:

Cardboard

Pencil

Blu tac

Thick elastic band

Plastic spoon

Masking tape

Scissors



Method

1. Cut the cardboard into two pieces.

One 15cm by 15cm

One 5cm by 15cm

2. Fold the smaller piece of card in half. This will be the lever.

3. Pierce holes (using the pencil and blu tac) in the centre of each side of the lever.

4. Pierce another small hole in the centre of the large piece of card.

5. Cut the elastic band and tie a knot in one end.

6. Pull the elastic band up through the large piece of card and through the lever. The knotted end should be underneath the base.

7. Tape one side of the folded lever to the base.

8. Knot the other end of the elastic band tightly. The shorter the length of the elastic band, the more tension you will create in the folded cardboard lever.

9. Tape the plastic spoon to the upper side of the cardboard lever with the bowl facing down towards the base.

10. Pull the spoon back and your catapult is ready to use.

