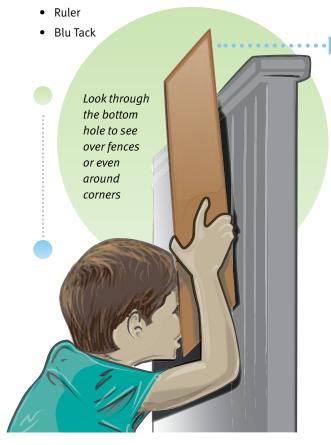


## How to make a periscope

A periscope lets you look around walls, corners, or other obstacles. Submarines have periscopes so the sailors inside can see what's on the surface of the water.

## You will need

- A sheet of cardboard, the bigger the sheet of cardboard the bigger the periscope
- Scissors
- Tape
- Pencil
- Two small mirrors the size of the mirrors will depend on the size of your cardboard



## Method

- 1. Measure the width of the mirrors (remember the bigger the mirrors, the more you can see).
- 2. On the sheet of cardboard, rule up four columns. Each column should be the width of your mirror.
- 3. Fold along the lines so you have formed a box and tape the edges together.
- 4. On one end of the box, cut a flap that is the same height as your mirror.
- Stick a mirror to the inside of this flap with some Blu Tack.
- **6.** Cut another flap on the other end, on the opposite side of the box.
- 7. Stick the other mirror to the inside of this flap with some Blu Tack.
- Cut away the side of the box that's opposite the mirrors on either end.
- **9.** Bend the flaps inwards to try to find the correct angle so that what is reflected on the top mirror is also seen on the bottom mirror.
- **10.** Draw a line to mark where the correct angles are on either end.
- Cut off this bit of cardboard and tape it to the edge of the box.
- **12.** Look through the bottom hole to see over fences or even around corners.

