

Making a Periscope

I can use my understanding of reflection to create a working periscope.

I can explain how the periscope allows me to see objects I would not usually be able to see.

Follow these instructions to make your own working periscope.

You will need:

A cereal box



A pair of scissors



2 safety mirrors

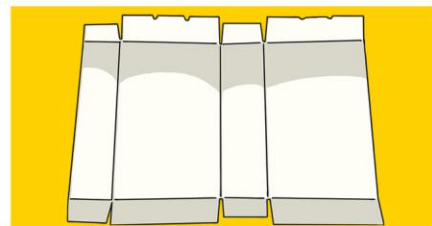


Sticky tape



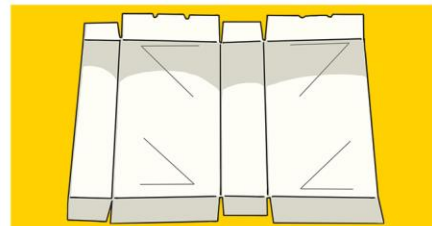
Step 1

Carefully open up your cereal box and lay it out flat.



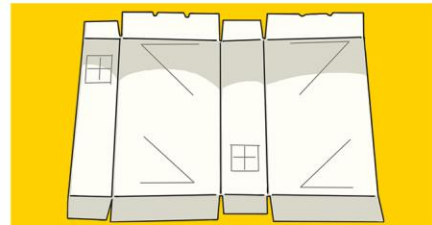
Step 2

Stick the 'mirror' templates in the centre of the wide panels of the cereal box.



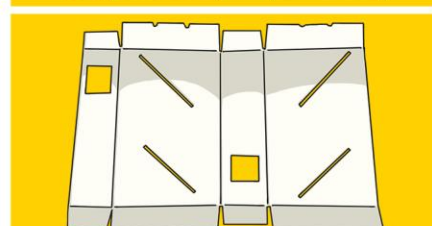
Step 3

Stick the 'window' templates in the centre of the narrow panels of the cereal box.



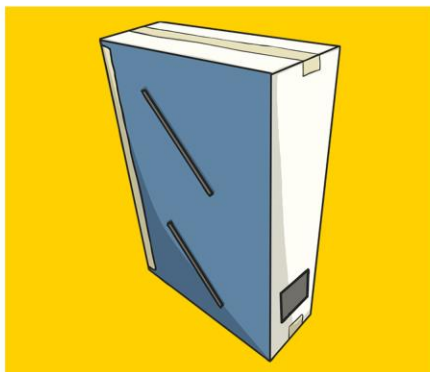
Step 4

Carefully cut along the lines for the mirrors, and cut out the windows.



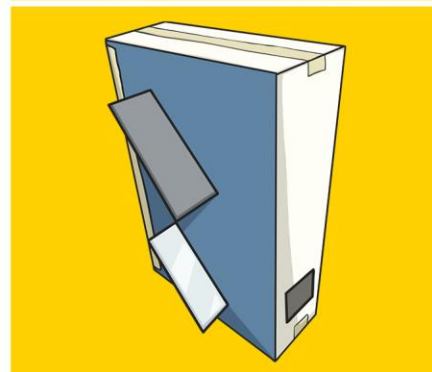
Step 5

Use sticky tape to stick the cereal box back together.



Step 6

Push the mirrors through the mirror lines you cut, and out the other side of the box so they are held firmly in place.



You should now be able to use your periscope to look around or over things!
Look through one viewing window to see an image from the other window.



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How Does it Work?

The mirrors in the periscope reflect light to enable you to see an image of an object around a corner or over the top of another object. Explain how they do this by completing the sentences below.

Light from a light source _____

The light travels through the top window and _____

I can see an image of the object!