



HOW TO BUILD YOUR OWN MICROSCOPE

WHAT YOU NEED

- ◆ A piece of card 2.5 cm wide by 5 cm long
- ◆ A piece of cellophane (such as the clear wrapping from a greeting card)
- ◆ Scissors
- ◆ Sticky tape
- ◆ Pencil or hole punch
- ◆ Cardboard tube from a kitchen roll

WHAT TO DO

1. Use the pencil or hole punch to make a hole 5mm across (the diameter of a pencil) in the centre of the card
2. Cover the hole with cellophane and secure with sticky tape
3. Cut a length of cardboard tube 5 cm long. Then cut into the cardboard two slots 3 cm long. The slots should be 2.5 cm apart. Lift up the cardboard between the slots to make a little window. Place the tube on top of the specimen you want to look at and place the card with the hole on top of the tube.
4. Pick a drop of water on the tip of pencil and let it fall over the cellophane covering the hole. Make sure the drop covers the hole.
5. Hold your eye very close to the drop of water and look through it. You will be able to see your specimen in fantastic close up.

