To make your own kaleidoscope you will need:

- a cardboard tube (or pringles can)
- scissors
- kitchen foil
- pens and decorative things
- cling film/ clear plastic bag
- sticky tape
- glue
- sweet wrappers/ coloured clear plastic bags
- ruler
- pencil
- coloured card
- corkscrew
First, measure your tube
Then, draw 3 rectangles 1cm shorter than the length and width of your tube/ pringles can.

Cut off the edges scribbled out in this picture.

Then fold along the edges marked with arrows in the picture.
Glue a sheet of kitchen foil onto the cardboard shape you just cut out and folded.

Trim the edges off and fold the shape into a pyramid shape, make sure the tin foil is on the inside.

Then, use a piece of tape to secure the shape holds together.
Place inside the top and put the pringles lid back on (if you're using a cardboard tube, cover the top with some clingfilm of clear plastic and tape securely.)
Carefully, using a corkscrew make a hole in the middle of the bottom of the pringles can. Then, use a pencil to wiggle the eye hole a little bigger.
Take the lid off the can, and using scissors, carefully cut lots of small shapes out of the colourful translucent plastic bags (the cheap ones you get from a corner shop work great - thick bags for life are no good as you can't see through them)

Layer these inside the cap on your pringles tin as pictured. If you're using a cardboard tube, layer them inside a section of cling film or a piece of clear plastic bag.
Next, carefully create a 'lid' for the cuttings of clear plastic using cling film or clear plastic wrap. Tape or glue this around the edge. You want to have a disc with cuttings inside that can't escape. Put it back on top of your tube.

Try to keep it neat and tidy as this will be visible on the top of your kaleidoscope.
Nearly done! All you have to do now is decorate your tube! Wrap coloured paper or card around the outside of the tube and tape or glue it in place, then decorate it with whatever you can find around the house! Sweetie wrappers, tin foil, odd buttons, bits of ribbon etc! Or you could draw your favourite things!
Peep through your home made kaleidoscope!
This is what we could see through ours.
We'd love to see what you create, share them on social media @GreenwichMCA.
Happy making!