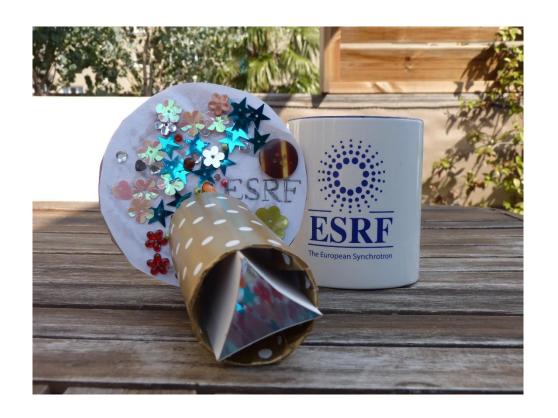


Make your own kaleidoscope and see how mirrors reflect light to make beautiful patterns













You will need:

* *

- Toilet paper roll
- Wrapping paper
- Mirror cardboard
- Glue, tape, scissors, ruler
- Paint, coloured pencils
- Sequins, buttons, small objects for decoration









1. Cover the toilet paper roll with wrapping paper.



2. Cut out a rectangle of mirror cardboard measuring 10 cm x 10.5 cm



3. Divide this rectangle into three smaller rectangles measuring 10 cm x 3.5 cm each. Fold along the lines.







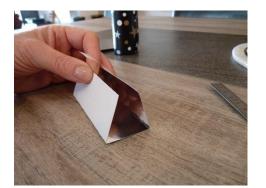








4. Make a triangle with the mirrored side inside. Tape the sides together at the top.

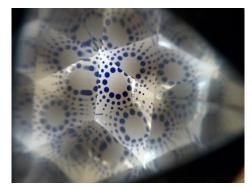




5. Fit the triangle inside your cylinder.



6. Experiment with light by looking at different objects through the kaleidoscope.









Make a decorative end-piece for your kaleidoscope:



7. Cut out a cardboard circle 11 cm in diameter (5.5 cm radius).













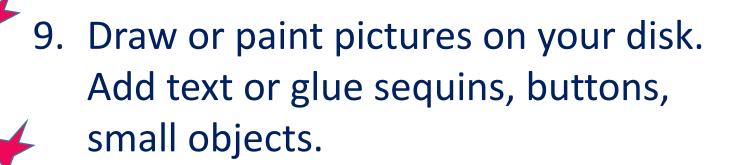


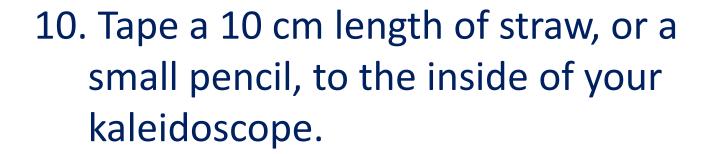












11. Push the straw through the hole in your disk.







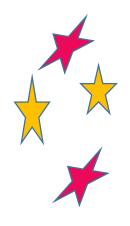












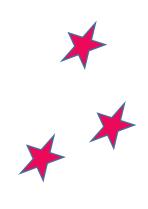








Look at different objects through your kaleidoscope and see how the mirrors reflect light to transform the objects.

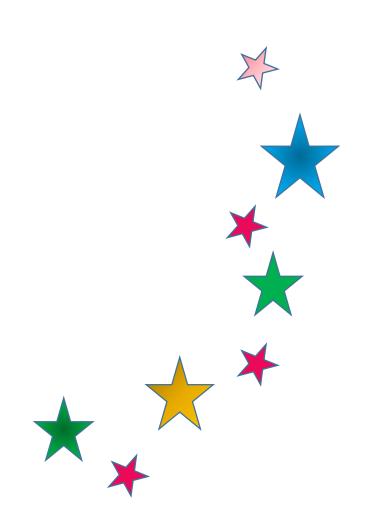














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