

Colour Mixing Spinner

5. Draw around your biggest circular object onto paper then the other two smaller circles inside this. Try to make the circles equal distance apart.
6. Draw a line through the middle of the disc. Each of the three circles in the disc should now be divided in half.
7. Repeat so you have two.
1. Colour half of each circle in a different colour – alternating so the same colours aren't next to each other.
2. Cut out a circle of card and stick your coloured discs to either side.
3. Poke two holes in your spinner and thread through about a metre of string. Tie the ends to secure.
4. Now you're ready to spin! Hold each end of your string and spin your disc so the string winds up. Once the string is twisted, pull it tightly to start your disc spinning! Watch as your colours mix together!

You will need:

- White paper
- Card
- Felt tip pens
- 3 different sized circular objects to draw around (glass, bottle top etc.)
- String



THE SCIENCE

The colour mixing that happens is due to the speed at which the wheel is spinning as the string twists. The colours are spinning at such a rate that your brain is unable to process them as the individual colours that are on the wheel. Instead, your brain takes a shortcut and mixes the colours.



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