

Get Tech-know-wise with Tekkitots



Science and technology opens up a whole new world of wonder. Try your hands at this month's experiment as we take a deeper look at colour!

Can we separate colours in a mixture?

Can we prove that there is blue in green food colouring? Are there other colours in red, yellow and blue food colouring?

Record your observations on the worksheet below:



TekkiTots is a research project that exposes MiniMag readers and other children to hands-on technology. It's part of a larger initiative being planned called 'Young Engineers of South Africa' (YESA).

An interest in Science, Mathematics and Technology are the building blocks for a career in information and communication technologies.

The Meraka Institute is part of the CSIR.

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What you need:

- Glasses
- Eye dropper or something similar
- White absorbent paper towels or coffee filters
- Food colouring (green, red, blue, yellow)



1. Cut the white paper towels or coffee filters into 1 cm wide strips.
2. Put a green colour stripe 2 cm from the bottom end of the paper strip.
3. Fill the glass with a centimetre of water.
4. Put the strip into the glass with water and fold it over the top edge of the glass so that it touches the water in the glass. A longer strip and glass will give better results.

Can you predict what will happen when the strip is placed in the water?

Watch the water as it moves up the strip. Green will separate into blue and yellow.

Now make new strips using the other colours and try to predict what will happen with each one.

