



DIY Science Camp

The Summer Holidays are here and you need to keep those little muchkins busy. Check out our guide to creating your very own DIY science camp at home. Read on for lots of awesome ideas to keep your little ones amazed for hours!

What you will need:

- 10 g of butterfly pea flower
- 600ml of water
- Lemon juice
- Soda water
- Ice trays
- Food processor
- Glass cup
- Spoon
- Straw

“Harry Potter” slushie...

This is a great family activity, especially fun after a day out in the sun.

1. Boil the flowers in a pot with some water.
2. When the water boils, turn off the fire and let it steep for 10 minutes.
3. After it is cooled, pour into the ice trays and freeze overnight.
4. Once frozen, take the ice trays out and blend the blue ice leaving it a little coarse.
5. Then refreeze the blended ice.
6. Serve some plain ice in a glass jar and pour in $\frac{1}{4}$ cup of the lemon juice. Spoon the blended blue ice in after and add soda water.
7. Stir the drink to see the **colour change**.



Even better than Butterbeer.....

Rising water

What you will need:

Whisper some magical words and watch the water magically rise up in the glass.

- Glass cup
- Candle
- Coloured water
- Glass plate
- Lighter

1. Place the candle on the middle of the plate and light it up.
2. Pour about 1/2 inch of coloured water onto the glass plate.
3. Place the glass cup over the candle.
4. Watch the fire extinguish while the water **magically** rises inside the glass cup.
5. For older children, you could try and figure out the science behind the experiment.



Magical coloured water!!!

What you will need:

Rainbow on a plate

Who doesn't love a rainbow? Delight your little one's senses and create a beautiful rainbow on a plate.

- Pack of skittles
- White plate
- Water

1. Arrange the skittles around the side of the plate.
2. Pour about 1/2 inch of water onto the plate.
3. Watch as the colours **come to life**.



Watch those swirling colours as your rainbow forms!

What you will need:

Walking water

Walking water you say? Amaze your little ones as you watch the water actually creep along.

- 7 small plastic cups or any clear container
 - Food colouring (Primary colours)
 - Water
 - Paper towel
1. Place the small plastic cups in a row.
 2. Fill the 1st, 3rd, 5th and 7th cups $\frac{3}{4}$ full of water.
 3. Add 5 drops of red food colouring into the 1st cup.
 4. Add 5 drops of yellow food colouring into the 3rd cup.
 5. Add 5 drops of blue food colouring into the 5th cup.
 6. Take half a sheet of the paper towel and fold it in half lengthwise and in half again lengthwise.
 7. Trim it down so it is the right length to act as a bridge between two cups. This will make the water walk more quickly.
 8. Place the rolled paper towel in the 1st cup and place the other half in the cup next to it. Then another paper towel from the 2nd cup and into the 3rd cup. Continue until you have placed the last paper towel between the 6th and 7th cup.
 9. Now just sit back and watch. The coloured water will slowly begin to creep up the paper towels.



Not only does it creep but it magically changes colour as well!

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