

'Ee' - Exciting experiment: This fun science experiment is great for creative individuals while only using 3 ingredients!

See attached image above for an example

Items you will need -

- x2-3 food colourings
 - x1 bowl of milk
 - Dish soap
 - Cotton buds
1. Take the bowl of milk and add a few drops of each food colouring, ensuring that they are not too close together as they need room to spread
 2. Dip a cotton bud into some of the dish soap
 3. Dip the cotton bud into the milk and food colouring bowl (not dipping it too deep into the bowl) and **hold the cotton bud for 10-15 seconds**
 4. Watch the patterns emerge! You can also use more than one cotton bud and see both reactions happening at the same time.

The reason this experiment works is due to the molecules of fat and proteins in milk being broken down by the soap. The soap chases the fat molecules and tries to join onto them, this is what causes the chemical reaction! To expand this activity, you can try placing a piece of paper on top, and printing the pattern onto the piece of paper. Once you have done this, you can make shapes out of the piece of paper, as well as cutting out a spiral and hanging it up nearby! Questions that parents can ask during the experiment, include asking the child why the results of the experiment occur, as well as what would happen if you were to not dip the cotton bud in the dish soap.