

Science Week Homework

During science week, we have become expert investigators. For homework this week, have a go at the following investigation

You will need:

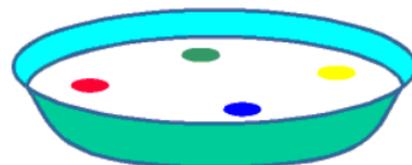
A shallow dish - One that is clear is best, to see what's happening under the surface of the liquid, but a shallow bowl, aluminum pie tin, or plastic or paper bowl will work just fine.

Milk - The higher the fat content the better. Half-and-half or whole milk works best.

Food colouring - Four different colours will be more colourful.

Washing up liquid.

A toothpick or small straw might be helpful, too.



Directions

Pour a layer of milk in the dish about 1 cm deep. Room temperature milk works much better than cold milk.

Carefully put one small drop of each of the four food colors onto the surface of the milk, widely separated, and not in the centre of the dish (less is better than more!)

Get ready to watch what happens! Very carefully drop one drop of washing up liquid onto the surface of the milk in the centre of the dish. (Be careful not to add the washing up liquid directly on top of the food colouring. You may want to dip a toothpick in the washing up liquid so that a small drop of washing up liquid remains on the end of the toothpick, then touch the drop to the surface of the milk.)

Questions to consider.

What happens to the food colouring when you first put it on the milk? Why do you think that is?

What happens when you add the drop of washing up liquid ?

What direction does the food colour move when you first add the drop of washing up liquid?

What direction does the food colour move after the experiment has been running for a while?

Does the movement go on forever? What happens?

What happens if you add another drop of washing up liquid after the colours have stopped moving?

We would love to receive any photographs that you take whilst conducting the experiment and any answers to the questions above. Please email these to enquiries@welton-st-marys.lincs.sch.uk

Happy investigating!

Notices

Miss Steer will be joining the Year 1 team for the rest of this term, until Easter , teaching in Mrs Thorner's class as part of her second school teaching placement and Miss Leadbeatter has joined us as our teaching assistant in year 1.

On Thursday next week, as part of our world book day celebrations, we would like to invite parents into school to share with you the work that we have done in relation to our World Book Day text "The Jungle Book". We are hoping to involve yourselves and the children in some den building. If you would like to bring in any materials e.g. sheets, polythene, garden canes to supplement our den building kits, that would be lovely!