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Below are listed some great fun science type projects that you should be able to carry out from items in your household cupboards and that can turn any rainy day into a more memorable one!

Please make sure to read the instructions before you start so that you have everything you need . . . good luck and have fun!

Invisible Ink

Make non-toxic invisible ink from bicarbonate of soda or juice from a lemon, the 2 different methods are listed below, great experiment or something to do as part of a party game.

Method 1;

You will need the following for this experiment:

- Equal parts of bicarbonate of soda and water.
- Paintbrush, toothpick or a cotton bud stick

Mix bicarbonate of soda and water together and use a cotton bud stick, a toothpick or paint brush to write a message onto paper using the bicarbonate/water mix as invisible ink.

Leave to dry!

Once dry, hold the piece of paper up to a heat source such as a light bulb or leave on a warm radiator and the bicarbonate will cause the writing on the paper to turn brown. Should you happen to have purple grape juice in your cupboard you could also use this to paint over the paper and the bicarbonate will react to the acid in the juice creating a colour change so that the writing will appear in a different colour.

Method 2;

You will need the following for this experiment:

- Juice of half a lemon
- Water
- Cotton bud or paintbrush

Squeeze the lemon into a cup or bowl and add a few drops of water and mix together. Use a cotton bud or paintbrush to write a message on a sheet of white paper using the mixture as invisible ink. Now leave to dry.

Once dry hold the piece of paper to a heat source, such a light bulb or place on a radiator, the invisible writing will now appear as if by magic as the heat turns it brown.

Other substances which works in a similar way is vinegar, wine, orange juice and milk – why not have a go and experiment with others and see if you can find more.