








#ExperimentsAtHome



Experiment shared by:
Amy Bishop-Powell, STEM Ambassador

RAINBOW GARDEN	
Learning how acid and alkaline react with each other	
You will need:	
Bicarbonate of soda 	Food colouring – a variety if possible 
Gloves 	Pipette (or teaspoon) 
Plate 	Several beakers (depending on how many colours you have) 
Vinegar 	
Instructions:	
<ol style="list-style-type: none">1. With adult supervision and always gloves on, add a layer of bicarbonate of soda on your tray or plate.2. Add a few drops of food colouring to your beakers or cups and then add a small amount of vinegar to each (a quarter of a cup will suffice but you can use more if you are having fun).3. Use a pipette or teaspoon add the coloured vinegar to the bicarbonate of soda on your plate and then watch your fairy garden appear!	
How it works!	
<p>This acid in the vinegar reacts with the bicarbonate of soda and foams and the pretty colours make it look like a rainbow garden.</p>	
Share your results!	
<p>We'd love to see photos and videos of you doing the experiment. Please share on Twitter with hashtag #ExperimentsAtHome and tag in @STEM_HUBNMSEY</p> <p>Thank you!</p>	
PLEASE ASK FOR ADULT PERMISSION AND/OR SUPERVISION WHEN REQUIRED.	



We hope you have fun!