

Year 2 Topic

Muck, Mess & Mixtures



We're warning you; this is going to get messy!

This half term, we'll have a messy morning to investigate mixtures, from paint and toothpaste to jelly and shaving foam. We'll enjoy the story of *George's Marvellous Medicine* and write recipes, leaflets, lists and stories of our own. We'll use our science skills to explore everyday materials, investigate soap products and understand why mixtures freeze and melt. We'll learn how to measure using scales, measuring jugs and cylinders accurately. We'll taste a wide variety of foods, learn about healthy eating and follow recipes to make some yummy treats including pizza and ice cream! Our artwork will also rely on our mixing skills. We'll use marbling inks to make unusual patterns, create food landscapes inspired by Carl Warner, paint with ice cubes, model clay into exciting shapes and use a variety of materials to make mixed media collages.

At the end of our project, we'll turn our classroom into a gallery and invite you to view our exhibition. We'll arrange images from the project into a PowerPoint presentation and demonstrate our messy science investigations. We'll also design and create our very own mud kitchen to play in. Yuck!

Help your child prepare for their project

Muck and mixtures can be messy and exciting! Why not make a variety of fun recipes to reveal how mixtures can come together and change? Trifle, gooey cookies and bread would all be good to try. You could also invent a new soft drink. Mix, shake and stir a range of fruit juices, cordials and sparkling water together and taste each one. Pick the best and give it a groovy name. Alternatively, try making different bubble mixtures to see which make the biggest bubbles!

What will you choose to do?

- Cook something with a grown up and create a picture record of what you have done. Perhaps you could try one of Roald Dahl's revolting recipes?
- Take your grown up shopping and encourage them to buy a food they've never eaten before.
- In the bath, use a measuring jug to measure different amounts of water. Create a capacity problem and bring them into school for other children to solve.
- Create a piece of artwork, inspired by Carl Warner, using foods you have at home. Take photos of your creation and take it into school on photo paper or a digital storage device.
- Make a slush drink by freezing a cup of juice. How long does it take to freeze? How about making different coloured drinks by mixing different juices? Record your investigation in a scientific report.
- Set up a melting experiment. Take two or three glasses and fill them with the same number of ice cubes. Put them in different places and see which melts first. Do the ice cubes melt faster if you stir them? Present your investigation in a digital format.
- Compare how long it takes for sugar lumps to dissolve in warm and cold water. How can you record your findings?
- Work with an adult at home to create a clay tile, imprinted with different patterns and shapes, or decorated with clay slip.
- Create an original piece of artwork inspired by an artist you admire and bring it to school to show your class.
- Write a poem with the title 'Muck, mess and mixtures'. Include some exciting adjectives and read it aloud to the class.

