

# STEAM Challenges

### Nursery – Autumn 2

#### Science



# To be completed during the week beginning 10<sup>th</sup> November 2025

https://youtu.be/JgNOuNh0Okg?feature=shared

Ask your grown up to search for the fireworks in a jar experiment and try this at home. What did you observe? What was your favourite part? What surprised you the most?

#### **Technology**



#### To be completed during the week beginning 17th November 2025

Can you help your grown ups with some seasonal cooking or baking?
One example is these snowman cupcakes! To make
these, you will need: marshmallows, chocolate sticks,
Smarties/sweets, and icing pens

#### **Engineering**



#### To be completed during the week beginning 24th November 2025

Read the book 'Whatever Next' by Jill Murphy (can be found online). Using materials found in your home (Lego, Jenga, blocks, recycling, can you build yourself a rocket? How big will you make it? What colour will you paint it? Have you included everything a rocket needs to have? Will it fly off into space?!

#### **Arts**



#### To be completed during the week beginning 1st December 2025 Fork print art

Between Diwali, Bonfire Night and New Year, there are lost of fireworks that light up the sky this time of year! Can you create a fireworks picture using a fork and paint?

#### Maths





### To be completed during the week beginning 8<sup>th</sup> December 2025

Can you make a repeating pattern in your home? This could be using coins (for example, 50p, 2p, 50p, 2p) or using Lego blocks (red brick, yellow brick, red brick) or even using food (grape, blueberry, grape, blueberry)!

Children in Nursery can bring any STEAM Challenge work they complete into school or upload it to Tapestry.