

STEAM Challenges

Reception - Spring 2

Science



To be completed during the week beginning 3rd March 2025

Can you plant a seed at home? Can you observe it over time? What does it need to help it grow? Write some of your observations down. Write a list of instructions on how to plant a seed.

Technology



To be completed during the week beginning 10th March 2025

Have a look around your home. How many different types of technology can you find? Which room has the most electrical devices? Talk to your grown-up and find out what they are all used for.

Engineering



To be completed during the week beginning 17th March 2025

Read the story The Three Billy Goats Gruff (also found on YouTube). Can you design a bridge that can hold all three Billy Goats (3 toys) for 30 seconds without it collapsing? What is making the Troll grumpy in the story? How can you design your bridge to help? Talk about your ideas with your grown-up, design it and then finally make your bridge.



To be completed during the week beginning 24th March 2025

Can you find different objects to print with around your house or garden? What sort of print do they make on paper? You could use potatoes, leaves, stamps etc. Can you use these prints to create a masterpiece? For example, you could use bubble wrap to print the scales on a snake!

Maths







To be completed during the week beginning 31st March 2025

Have a go at spotting some 3D shapes in your home environment.

- What do you notice about the shape?
- Can you spot any shapes that are the same? Can you spot any that are different?
- How do you know they are the same/different?
- How can you sort the shapes?

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