



STEM WEEK ACTIVITIES

OAKWOOD- SPRING 2021

Foundation

Stem Skill - Observation - looking closely

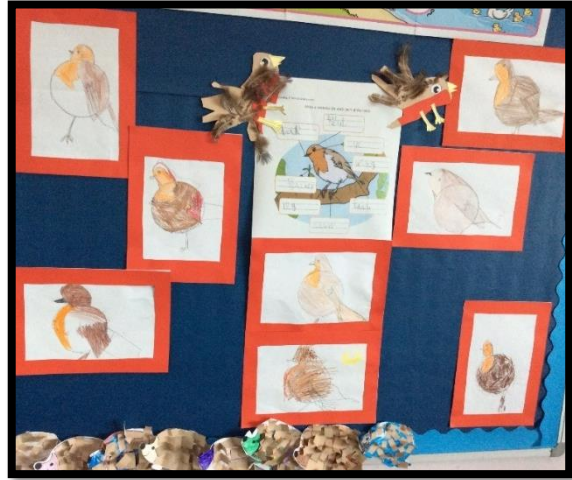
Foundation looked for signs of spring in the woods and the outdoor area. They also conducted some birdwatching using the bird hide. They found lots of birds—including some penguins... apparently!



Year 1

In Year 1 they have been searching for signs of spring and conducting activities associated with the British Wildlife Association. They conducted 2 experiments to predict what would happen to their cress seeds in different environments and also a colour changing experiment.

STEM Skill - Flexibility - change the way you try things if it doesn't work



Year 2

STEM Skill - Collaboration - working together

Year 2 have been busy weeding and digging up the school planters to create the right conditions for plants to grow. They enjoyed learning about the conditions plants need to thrive and worked together to assist Miss Salt with planting the seeds and labelling the plants. We hope to have lots of home-grown school vegetables arriving over the next months!



Year 3



Year 3 carried out a range of activities during STEM week. They created volcanoes using papier mache and then erupted them by combining vinegar and bicarbonate of soda.

They had a challenge to create the strongest bridge possible using different materials and using their knowledge of bridge structure. They then tested these using weights. We had a lot of fun thinking creatively.

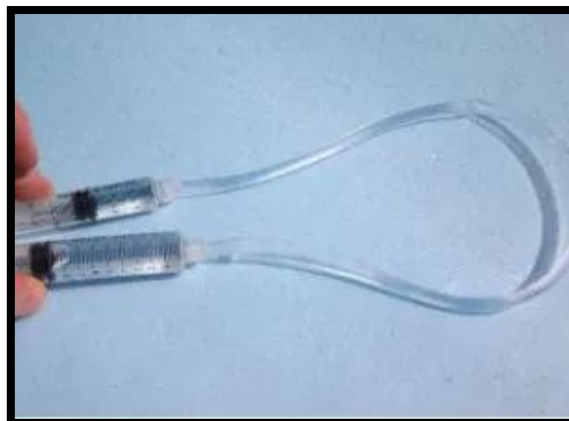


STEM Skill - Creativity - think outside the box

Year 4

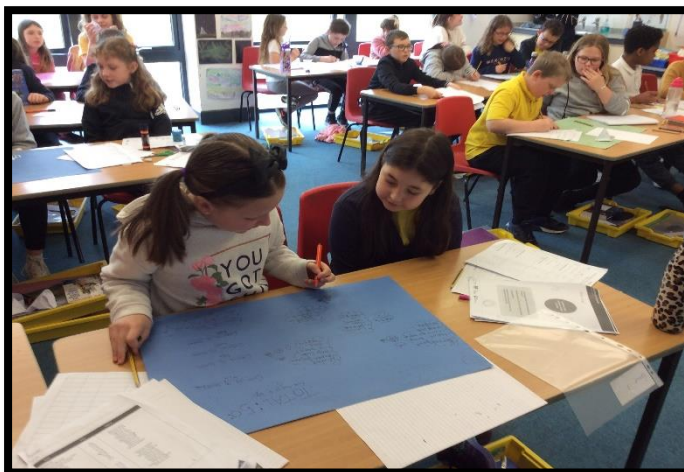
Year 4 conducted an outdoor scavenger hunt in the outdoor learning area and learnt about the ecosystem of a pond. They enjoyed questioning about living things in our environment to learn more about what interested them. In class, they designed and made robotic arms using a syringe and the principles of hydraulics. They really enjoyed testing these out.

STEM Skill- Inquiry Skills - questioning why something is as it is



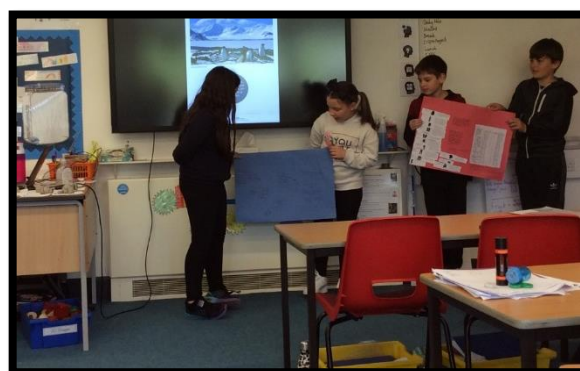
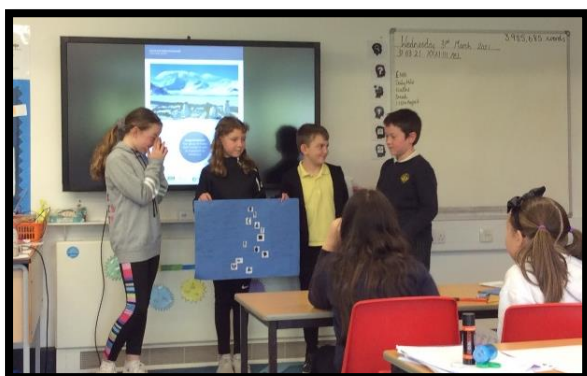
Year 5 and 6

Part of the STEM work in our class was to research why there was a large crack in the Antarctic, then we were given a problem-solving challenge. We were given certain amount of money to spend on clothing, food and equipment to visit the site for one day. We planned a 3500-calorie menu so that we had enough energy and had £60 to spend on the food. We also had the amount of £2800 for clothing and equipment to keep us warm, safe and carry out the investigation.



Some of the equipment we planned to take was a camera (and batteries), shovels, buckets, and sledges.

Although we did not actually carry out the live investigation, we wished we could have!



STEM Skill - Problem Solving - how to approach a task

STEM Learning skills



Problem Solving - how to approach a task

Creativity - think outside the box

Inquiry Skills - questioning why something is as it is

Observation - looking closely

Flexibility - change the way you try things if it doesn't work

Collaboration - working together