

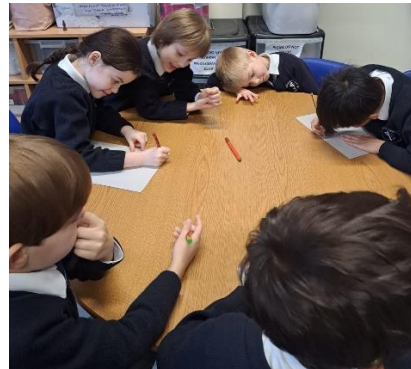


Year 2 – Plants (March 2023)

LO: To plan, carry out and evaluate an investigation into the conditions that affect germination.

LO: To observe and describe how a plant changes as it matures.

This term, Year 2 split their session over two weeks to carry out an investigation to see how plants grow, and what affects their growth. We started by thinking about what an investigation was and what preparation was required, including why we needed to make sure our investigation was a fair test, making sure we had all our equipment and writing useful, informative instructions. We carried out some mini-investigations to explore each of these, including playing a marble game, writing a shopping list for our favourite dinner and writing instructions for our partner on how to draw a mystery picture, before having a go at drawing it themselves. We then looked at what germination was (plants growing) and made a map of what might effect growth (light, air, water, soil, temperature) and, as a group, set up an investigation to grow pots of cress, with each pot having a different condition removed. We also made a control, with everything included to measure the growth against!



In the next week, we looked at the growth of our plants to see what really does affect germination. We found that water is definitely needed for a plant to germinate, and minerals in the soil (or food if we don't use soil) and sunlight are needed to help the plant grow. We then looked at the life cycle of a plant, and how it changes from a seed to a plant that has seeds. We looked at lots of different plants, including flowering plants like sunflowers, fruit plants like strawberry and tomato plants and even an apple tree!

Comments from our Year 2's after the session;

"I liked the stem because it has lots of leaves on it."

"I was really interested when I saw the flower grow. I'd never seen that before."

"I really enjoyed planting the seeds because when the seeds grew we saw lots of roots and flowers."

"I loved seeing my plant grow!"

"I loved when the seeds grew. I saw some amazing roots."

Kind regards, Miss Kelly & Mrs Wordsworth – Science Co-ordinators

