

Y2 Science – Plants (Summer 1)

Targets to be covered:

- To observe and describe how plants need water, light and temperature to grow and stay healthy
- To identify what a seed needs to germinate
- To describe how seeds and bulbs grow into plants.

Working Scientifically –

- asking simple questions and recognising that they can be answered in different ways
- observing closely, using simple equipment
- performing simple tests
- identifying and classifying
- using their observations and ideas to suggest answers to questions
- gathering and recording data to help in answering question

Lesson	Order of Study –
1 (part 1) BQ – What does a plant need to grow and stay healthy?	<u>LI: I can find out and describe how plants need water, light and a suitable temperature to grow and stay healthy.</u> <u>Scientific Enquiry: Research using secondary sources</u> PRE-ASSESSMENT Review: Can the children name any plants? Give the children the book Plants 'Curious Nature' Questions and Answers' Children to research and answer the following questions using double page spread: • What is a plant? • How do plants get their food? • How do plants grow? • Why are flowers so colourful? <u>Learning Sentences</u> Today I have learnt that...
1 (part 2) BQ – What does a plant need to grow and stay healthy?	<u>LI: I can find out and describe how plants need water, light and a suitable temperature to grow and stay healthy.</u> <u>Scientific Enquiry:</u> Review – label the parts of a plant Recap what the children found out last lesson followed by asking children why they think they need water, light and a suitable temperature? Look at powerpoint of information together, ensure they have full understanding through discussions and questioning. Children to complete the sheets about what plants need to stay healthy. LA – Missing words sheet. <u>Learning Journey</u>

	I have learnt that plants need water, light and a suitable temperature to grow and stay healthy because....
2 BQ – What happens to a seed when it germinates?	<u>LI: I can identify what a seed needs to germinate</u> <u>Scientific Enquiry:</u> Review: evergreen / deciduous trees Use: https://www.twinkl.co.uk/teaching-wiki/germination https://www.bbc.co.uk/programmes/p00pyhfg - watch videos and pause for discussion throughout. Focus on keywords and link back to knowledge organiser to ensure children have a good understanding. Stick in the germinated bean and write some sentences describing what happens when a seed germinates next to each image. LA to sequencing cutting and sticking sheet <u>Learning Journey</u> Today I have learnt that...
3 BQ – Where will a seed grow best and why?	<u>LI: I can observe closely, using simple equipment.</u> <u>LI: I can perform simple tests.</u> <u>LI: I can use my observations and ideas to suggest answers to questions.</u> <u>LI: I can gather and record data to help in answering questions.</u> <u>Scientific Enquiry: observing over time</u> Explain to the children that they are going to follow instructions to plant seeds (take photos). Carry out an investigation to investigate where seeds will grow best, with each group putting their seeds in different places (take photos). Children to make predictions of which seeds will grow the best and why. Data will be collected at the end of the term and results need to be put into books and explained. <u>Learning Journey</u> I think that the seed placed in the..... Will grow the most because....
4 BQ - Where will a seed grow best and why?	<u>LI: I can describe how seeds and bulbs grow into plants.</u> <u>LI: I can use my observations and ideas to suggest answers to questions.</u> <u>LI: I can gather and record data to help in answering questions.</u> <u>Scientific Enquiry: observing over time</u> Review: name wildflowers and trees Take photos of our seeds that have grown and discuss what has happened/changed and why. What do we know about growing seeds from our experiment? What is different about how the seeds have grown?



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Stick in photos into books with explanation.

Go through the powerpoint and complete the sheet using what we have learnt

Learning Journey

What did they find out and why do they think this happened?

POST-ASSESSMENT