

## Mathematics

- Collect some leaves and observe how many lines of symmetry they have.
- Use the items from your garden to assist you with your number bonds. \*TT: Re-use the items you collected from the garden for your spelling activity.
- Measure your garden – how many metres long and wide is your garden?
- What 2D and 3D shapes can you identify around your garden? Can you list/label the properties for each shape? E.g. number of sides and corners for 2D shapes and for upper KS1 number of faces and vertices for 3D shapes.
- Measure the height of the tallest plant in your garden, now measure the size of the shortest plant. What is the difference between them?
- Once your seedling appears (from your Science task) measure the height of it every morning and every night until the bud appears. Then plot these measurements on a line graph to show its growth/progress.
- Over a week, keep a record of how long you spend in your garden each day. Plot this data on a bar graph. Now interpret the data: on which day did you spend the longest amount of time outside? On which day did you spend the shortest amount of time outside? What was the total amount of time you spent outside? Record this in hours.  
Extension: can you convert and record the total amount of time spent outside from hours to minutes and then possibly even seconds?

## Science

- Draw and label the life cycle of a plant, watch the following link to assist you with this:  
<https://www.bbc.com/bitesize/articles/z2vdjxs> and the book 'A Seed in Need' from the reading list could help with this too.
- Plant your own seeds and keep a record of daily developments! What does your plant need to grow?
- Explain the difference between a deciduous and an evergreen tree. (CC: English. Genre of writing: Explanation)
- Visit a garden centre or nursery and as you look at the different types of plants take note of their scientific name that will be on the labels.

## English

- **Theme/Spelling words: seedling, germination, flora, pollen, flower, leisure, nursery, water, weeding, gardening**
- Collect twigs, stones, leaves and other items from your garden and use them to spell out your theme words.
- Write your theme words in sentences; try to use connectives, verbs, adjectives and adverbs in your sentences. \*TT: If you are unsure of the meaning of any of these words look them up in a dictionary with the help of an adult.
- Write out a list of the items you will need when planting your seeds (see second activity in Science).
- Now write or draw the steps for planting your seeds with the purpose of creating a list of instructions. \*TT: You may like to film it instead and pretend you are the host of a gardening show! (Genre of writing: Instructions)
- List as many adjectives as you can to describe gardens.
- Write an acrostic poem for your favourite flower/plant/tree.
- Write a story with the title: The Magic Garden. (Genre of writing: Narrative)
- Discuss why you think gardening is such a popular leisure activity. You may wish to carry out this activity in vlog style and record it! \*TT: If you are going to make a vlog, write a draft first. (Genre of writing: Discussion).
- In Jack and the Beanstalk, The Giant is always portrayed as the villain but if you think about it, Jack was the one who broke into his house and stole from him! Write a version of the story from The Giant's point of view where he is the victim and Jack is the villain. (Genre of writing: Narrative and Literary Recount)
- Make a list of all the things you and your family do in your garden e.g. different types of play, cooking a barbeque, hanging washing on the line etc.

### Learning by Topic Framework

#### Gardening



## History

- Did you know that the rose is over 35 million years old?! Find out some more interesting facts about the rose and in particular what role the rose/the symbol of the rose has played in England's history.
- Have you heard of the RHS Chelsea Flower Show? It is on every year and dates back to 1912. Research some facts about the history of the show.
- Find out what and where the oldest tree in the UK is.

### Suggested Reading List:

- Eddie's Garden and How to Make Things Grow, by Sarah Garland
- Oliver's Vegetables, by Vivian French
- The Tiny Seed, by Eric Carle
- A Seed in Need: A first look at the plant cycle, by Sam Godwin
- Jack and the Beanstalk (any version)

## Art / Design and Technology

- Design and construct a 3D model of a garden (it may be yours, one you've visited or your dream garden you wish to create) \*TT: Use as many recyclable materials as you can.
- Make a collage out of items in your garden (\*TT: You could re-use the items you collected for your spelling and maths activity).
- Using paints, do some printing with natural items from your garden OR you could do flower pressing or both of these activities!
- Sketch then paint your favourite plant or tree.

## Learning by Topic Framework

### Gardening

## Geography

- What are the national flowers for England, Ireland, Scotland and Wales?
- On a map of the UK, plot the capital cities of England, Ireland, Scotland and Wales. Use each country's national flower to represent their location on the map.
- What flora is native to the UK? What flora is native to Australia? What flora is native to America? Present/list/draw your findings in a table. \*TT: Perhaps there are other countries you are interested in or have visited and want to find out what their national flowers are?

### Key:

CC: Cross Curricular  
KS1: Key Stage One  
\*TT: Top Tip



### Suggested Educational Experiences:

- Kew Gardens
- Savill Gardens
- Valley Gardens (free)
- Visit your local garden centre

## PSHE / Music

- PSHE: Discuss with an adult why bees are so important to our environment?
- PSHE: Why are public parks so important to our community? Discuss this with friends and family.
- Music: List the natural sounds you can hear in your garden.
- Music: Now using recyclable materials create sounds that imitate these natural sounds (you could also use household objects that make noise or actual instruments if you have any). You may wish to record the natural sounds followed by the sounds you have created and if you have access to the technology you could mix them into a unique nature soundtrack!