Key Vocabulary and Definitions:

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| Fertilisation  | The process where pollen meets the egg and a seed is formed.  |
| Flower  | A flower is the part of a plant that blossoms. |
| Petal  | The petals are the bright, colourful leaves of the flower which attract insects. |
| Pollination  | Pollination is the process by which flowers form seeds. This is how plants reproduce. |
| Seed  | Seeds come in all sizes, shapes and colors depending on the type of plant.  |
| Photosynthesis | The way plants turn light into energy. This is how a plant makes its own food. |

What should I already know?

* Observe and describe how seeds and bulbs grow into mature plants. (Y2 - Plants)
* Find out and describe how plants need water, light and a suitable temperature to grow and stay healthy. (Y2 - Plants)

Scientific knowledge:

1. Identify and describe the functions of different parts of flowering plants: roots; stem/trunk; leaves; and flowers.
2. Explore the requirements of plants for life and growth (air, light, water, nutrients from soil, and room to grow) and how they vary from plant to plant.
3. Investigate the way in which water is transported within plants.
4. Explore the part that flowers play in the life cycle of flowering plants, including pollination, seed formation and seed dispersal.



Teaching Sequence

1. To identify the parts of a flowering plant.
2. To understand the functions of a flowering plant.
3. To investigate the way in which water is transported within plants (TAPS)
4. To understand the process of how fruits develop from pollinated flowers.
5. To classify fruits according to observable similarities and differences.
6. To understand that the function of a fruit is to produce and disperse seeds.

Blooms Taxonomy – Specific Verbs to Use in Lesson Aims

Knowledge: Describe, find, identify, list, locate, name, recognise, retrieve Comprehension: Classify, compare, explain, infer, interpret, paraphrase, summarise Application: Carry out, implement, use Analysis: Deconstruct, Organise, outline, structure Synthesis: Construct, design, devise, invent, make, plan, produce, Evaluation: Appraise, assess, choose,

Key Knowledge

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| Term 6 | Let’s Talk (Explorify) | Scientific Knowledge | Scientific Skill |
| Lesson 1 | Odd One Outhttps://explorify.uk/en/activities/odd-one-out/friends-of-flowers | 1. Identify and describe the functions of different parts of flowering plants: roots; stem/trunk; leaves; and flowers.
 | **Observe and Measure** |
| Lesson 2 | What if …https://explorify.uk/en/activities/what-if/plants-could-talk | 1. Explore the part that flowers play in the life cycle of flowering plants, including pollination, seed formation and seed dispersal.
 | **Ask questions and plan enquiry** |
| Lesson 3 | Odd One Outhttps://explorify.uk/en/activities/odd-one-out/what-is-inside-flowers | 1. Explore the part that flowers play in the life cycle of flowering plants, including pollination, seed formation and seed dispersal.
 | **Ask questions and plan enquiry** |
| Lesson 4 | Spectacular Sphereshttps://explorify.uk/en/activities/zoom-in-zoom-out/spectacular-spheres | 1. Explore the part that flowers play in the life cycle of flowering plants, including pollination, seed formation and seed dispersal.
 | **Evaluate** |
| Lesson 5  | Zoom in zoom outhttps://explorify.uk/en/activities/zoom-in-zoom-out/pink-and-white | 1. Explore the part that flowers play in the life cycle of flowering plants, including pollination, seed formation and seed dispersal.
 | **Observe and Measure** |

