|  |  |  |
| --- | --- | --- |
| ***Words to know and spell (Tier 2 Vocabulary)*** | | |
| Energy | Habitat | Component |
| Growth | Flower | Plant |
| Tree | Structure | Roots |
| Leaf | Trunk | Garden |
| Fruit | Petal | Seed |
| Weed | Vegetable | Branches |
| Bud | Herb | Blossom |

** Tigers – Science KCV – Plants**

• Know that science is a way to understand our world by carefully thinking about it and testing our guesses with observations and experiments (retrieval)

• Know a rose bush, a sunflower and a dandelion by sight

• Know an oak tree, a birch tree and a horse chestnut tree by sight

• Know that evergreen trees maintain their leaves throughout the year and that deciduous trees shed their leaves in autumn

• Know that there are many kinds of jobs as a scientist including communicator scientist and teacher scientist

• Know that teacher scientists teach others - often children - about science

• Know that communicator scientists help the world to understand about science

• Know that David Attenborough is a famous communicator scientist who has created and presented some of the most famous television programmes ever made about plants and animals

***Key facts to learn:***

|  |  |
| --- | --- |
| ***Words to understand and spell (Tier 3 Vocabulary)*** | |
| **Deciduous** | A tree that loses its leaves in autumn each year. |
| **Evergreen** | A tree or bush that has green leaves all year round. |
| **Stem** | The thin, upright part of a plant on which the flowers and leaves grow. |
| **Bulb** | Something that you plant underground which grows into a flower or plant |
| **Flowering** | Trees or plants, which produce flowers. |
| **Vegetation** | Plants, flowers, bushes, shrubs and trees. |
| **Wild** | Plants that live and grow in natural surroundings. |
| **Common** | Something that is found in large numbers. |

***Concept check questions. Test yourself:***

|  |
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| Why do some trees have leaves in the middle of winter? |
| Which plants can be eaten?  What are the parts of a flowering plant? |
| What do plants need in order to grow well? |
| Can a seed grow in the dark? Why?  **Opportunities for Investigation:**  **Pattern Seeking**: In autumn, do trees with bigger leaves lose their leaves first?  **Observing over time:** How does a daffodil bulb change over the year? |

• Ask questions and make observations

• Use simple equipment to perform tests (including comparative tests)

• Use my sense of sight and smell to collect evidence

* • Understand the basis of fair testing
* • Take measurements
* • Record my results in tables, diagrams, drawings and photos

• Make predictions, giving reasons

***Key skills to do:***

**Year 1 – Science – Autumn 1 – Heyford Park School**

**Year 1 – Science – Autumn 1 – Heyford Park School**

**Year 5 – Science – Autumn 1 – Heyford Park School**