

| | | Autumn | | Spring | | Summer | |
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| Early | Year 1 | Alive (Structure and Function) Identify common animals and body parts. | Alive (Structure and Function) Identify common deciduous trees/ plants and plants their basic parts. | Alive (Structure and Function) Identify common evergreen trees / plants and their basic parts. | Alive (Structure and Function) Identify common flowering plants / trees and their basic parts. | Properties of materials Identify materials and their properties | Alive (Structure and Function) Identify common wild and garden plants and their basic parts |
| | | | Energy - Sun Notice the impact of energy from the sun in Autumn | Energy - Sun Notice the impact of energy from the sun in Winter | Energy - Sun Notice the impact of energy from the sun in Spring | | Energy - Sun Notice the impact of energy from the sun in Summer |
| Novice | Year 2 | Properties/changing materials Compare suitability of materials to their uses and the impact of changing their shape | Thrive & Survive Identify what animals need to thrive and survive | Reproduction Notice that animals reproduce | Alive (Structure and Function) Observe how plants grow | Thrive & Survive Identify what plants need to thrive and survive | Thrive & Survive Identify how plants and animals thrive and survive together in habitats |
| | | | | | Alive (Structure and Function) Identify the 7 live processes | | |
| Growing Expertise | Year 3 | Energy - Light Notice light and dark including shadows | Forces: contact & non-contact Notice and compare simple contact and non-contact forces through friction and magnets | Alive (Structure and Function) Identify the structure and function of human skeleton and muscles and parts of a flowering plant. | Thrive and Survive Explore and investigate nutrition in plants and animals | Reproduction Explore the function of the flower in pollination and seed dispersal | Properties/changing materials Compare rocks and soils and describe fossil formation |
| | Year 4 | Properties/changing materials Observe and measure changes of state | Energy – Sound Explore how sound energy travels in vibration waves | Alive (Structure and Function) Identify the structure and function of different parts of the digestive system (including teeth) | Diversity Use knowledge of structure of plants and animals to group them | Thrive and Survive Construct food chains and reason about the impact of environmental change on thrive and survive | Energy - Electricity Explore the impact of an open and closed circuit on electrical energy? |
| | Year 5 | Properties/changing materials Explain the processes and outcomes of some reversible and irreversible changes which include changes of state. | Forces: contact & non-contact Identify and explain the effects of unbalanced forces | Forces: contact & non-contact Describe the orbits of the earth and moon | Alive (Structure and Function) Describe how human structure and function changes as they age. | Reproduction Describe and compare the process of sexual reproduction in some animals | Reproduction Describe and compare the process of sexual and asexual reproduction in some plants. |
| | Year 6 | Alive (Structure and Function) Identify the structure and function of main different parts of the human circulatory system | Alive (Structure and Function) Use knowledge of structure and function of plants and animals to classify them in broad groups | Thrive and Survive Recognise ways in which humans can support or hinder their ability to thrive. | Diversity Identify adaptations and its role in evolution | Energy - Light Explore how light energy travels in straight lines. | Energy – Electricity Explore the impact of varying voltage in a circuit |