**Twineham CE Primary School: Curriculum Overview – Science (the long-term learning journey)**

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| NC: Programmes of Study | Y1 | Y2 | Y3 | Y4 | Y5 | Y6 | NC: Programmes of Study | Y1 | Y2 | Y3 | Y4 | Y5 | Y6 |
| Working Scientifically | **✓** | **✓** | **✓** | **✓** | **✓** | **✓** | Rocks |  |  | **✓** |  |  |  |
| Plants | **✓** | **✓** | **✓** |  |  |  | Light |  |  | **✓** |  |  | **✓** |
| Animals, including humans | **✓** | **✓** | **✓** | **✓** | **✓** | **✓** | Sound |  |  |  | **✓** |  |  |
| Y1 Everyday materials Y2 Uses of everyday materials Y4 States of matter Y5 Properties and changes of materials | **✓** | **✓** |  | **✓** | **✓** |  | Electricity |  |  |  | **✓** |  | **✓** |
| Seasonal change | **✓** |  |  |  |  |  | Earth & Space |  |  |  |  | **✓** |  |
| Living things & their habitats |  | **✓** |  | **✓** | **✓** | **✓** | Evolution & inheritance |  |  |  |  |  | **✓** |
| Y3 Forces & Magnets Y5 Forces |  |  | **✓** |  | **✓** |  |  |  |  |  |  |  |  |

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| **Cycle A** |  | Buttercups | | Willow | | Oakwood | | |
|  | Reception | Year 1 | Year 2 | Year 3 | Year 4 | Year 5 | Year 6 |
| Autumn 1 | Science in the early years is covered through directed teaching input and continuous provision. Activities include magnets, push & pull equipment and water exploration. | \* Understand some important processes and changes in the natural world around them, including the seasons and changing states of matter. | Identifying plants | Exploring everyday materials | Exploring everyday materials | Seeing light | Seeing light | Seeing light |
| Autumn 2 | Identifying animals | Rocks, fossils and soils | Rocks, fossils and soils | Life Cycles | Life Cycles | Life Cycles |
| Spring 1 | \* Similarities and differences between the natural world around them and contrasting environments.  \* Know about changing states of matter. | My body | Living habitats | Living habitats | Evolution | Evolution | Evolution |
| Spring 2 | Seasonal changes | Forces and magnets | Forces and magnets | States of matter | States of matter | States of matter |
| Summer 1 | \* Explore the natural world around them.  \* Understand some important processes and changes in the natural world around them, including the seasons and changing states of matter. | Everyday materials | Light & shadow | Light & shadow | Properties and changes of materials | Properties and changes of materials | Properties and changes of materials |
| Summer 2 | Further investigations | Further investigations | Further investigations | 2024-25 only: Light & shadow | Further investigations | 2024-25 only: Changes & reproduction |
| Further investigations | Further investigations |

2024-25 only units to gap fill due to change of class structure

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| **Cycle B** |  | Buttercups | | Willow | | Oakwood | | |
|  |  | Reception | Year 1 | Year 2 | Year 3 | Year 4 | Year 5 | Year 6 |
| Autumn 1 |  | N/A – Refer to Cycle A | N/A – Refer to Cycle A | Growing Plants | Growing Plants | Eating and digestion | Eating and digestion | Eating and digestion |
| Autumn 2 |  | How plants grow | How plants grow | Changes and reproduction | Changes and reproduction | Changes and reproduction |
| Spring 1 |  |  | Growth and survival | Growth and survival | Healthy Bodies | Healthy Bodies | Healthy Bodies |
| Spring 2 |  | Health and Movement | Health and Movement | Changing sound | Changing sound | Changing sound |
| Summer 1 |  |  | Super Scientists | Super Scientists | Forces in Action | Forces in Action | Forces in Action |
| Summer 2 |  | Further investigations | Further investigations | Further investigations | Further investigations | 2025-26 only: Earth and space |
| Further investigations |

2025-26 only units to gap fill due to change of class structure

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| **Cycle C** |  | Buttercups | | Willow | | Oakwood | | |
|  |  | Reception | Year 1 | Year 2 | Year 3 | Year 4 | Year 5 | Year 6 |
| Autumn 1 |  | N/A – Refer to Cycle A & | N/A – Refer to Cycle A | N/A – Refer to Cycle A & Cycle B | N/A – Refer to Cycle A & Cycle B | Circuits and conductors | Circuits and conductors | Circuits and conductors |
| Autumn 2 |  |  |  | Changing circuits | Changing circuits (Y6) | Changing circuits |
| Spring 1 |  |  |  |  | Living environments | Living environments | Living environments |
| Spring 2 |  |  |  | Classifying organisms | Classifying organisms | Classifying organisms |
| Summer 1 |  |  |  |  | Earth and Space | Earth and Space | Earth and Space |
| Summer 2 |  |  |  | Further investigations | Further investigations | Further investigations |