

Elham Primary School  
Long Term Plan  
SCIENCE

**EYFS**

| <b>Autumn</b>  | <b>Spring</b>  | <b>Summer</b>  |
|--|--|--|
| <b>LIVING THINGS AND THEIR HABITATS</b><br><br>Animal adventures – exploring habitats; observe and compare | <b>MATERIALS</b><br><br>I am a scientist – explore processes, ask questions, predict and investigate | <b>PLANTS</b><br><br>Our beautiful planet – explore outdoor environment, identify and describe, plant seeds, care for the planet |

**KEY STAGE 1**

**YEAR 1/2 CYCLE A**

| <b>Autumn 1</b>                             | <b>Autumn 2</b>                                       | <b>Spring 1</b>   | <b>Spring 2</b>   | <b>Summer 1</b>                   | <b>Summer 2</b>                                   |
|---|---|---|---|-----------------------------------|---|
| <b>PLANTS</b><br><br>Introduction to plants | <b>FORCES EARTH AND SPACE</b><br><br>Seasonal Changes | <b>LIVING THINGS AND THEIR HABITATS</b><br><br>Habitats | <b>ANIMALS INCLUDING HUMANS</b><br><br>Life Cycles and Health | <b>PLANTS</b><br><br>Plant Growth | <b>MAKING CONNECTIONS</b><br><br>Ocean Protectors |

**YEAR 1/2 CYCLE B**

| <b>Autumn 1</b>   | <b>Autumn 2</b>                            | <b>Spring 1</b>  | <b>Spring 2</b>                                    | <b>Summer 1</b>  | <b>Summer 2</b>                                    |
|---|--|--|--|--|--|
| <b>ANIMALS INCLUDING HUMANS</b><br><br>Sensitive bodies | <b>MATERIALS</b><br><br>Everyday materials | <b>ANIMALS INCLUDING HUMANS</b><br><br>Comparing Animals | <b>MATERIALS</b><br><br>Uses of everyday materials | <b>LIVING THINGS AND THEIR HABITATS</b><br><br>Microhabitats | <b>MAKING CONNECTIONS</b><br><br>Fairytale Science |

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**KEY STAGE 2**

**YEAR 3/4**

**CYCLE A**

| <b>Autumn 1</b>   | <b>Autumn 2</b>                 | <b>Spring 1</b>  | <b>Spring 2</b>                 | <b>Summer 1</b>          | <b>Summer 2</b>                      |
|-------------------|---------------------------------|------------------|---------------------------------|--------------------------|--------------------------------------|
| <b>ENERGY</b>     | <b>ANIMALS INCLUDING HUMANS</b> | <b>MATERIALS</b> | <b>ANIMALS INCLUDING HUMANS</b> | <b>ENERGY</b>            | <b>MAKING CONNECTIONS</b>            |
| Light and Shadows | Movement and nutrition          | Rocks and Soils  | Digestion and food              | Electricity and circuits | How does food affect muscle fatigue? |

**CYCLE B**

| <b>Autumn 1</b>                | <b>Autumn 2</b>  | <b>Spring 1</b>      | <b>Spring 2</b>                         | <b>Summer 1</b>    | <b>Summer 2</b>                      |
|--------------------------------|------------------|----------------------|---|--------------------|--------------------------------------|
| <b>FORCES, EARTH AND SPACE</b> | <b>MATERIALS</b> | <b>ENERGY</b>        | <b>LIVING THINGS AND THEIR HABITATS</b> | <b>PLANTS</b>      | <b>MAKING CONNECTIONS</b>            |
| Forces and magnets             | States of matter | Sound and vibrations | Classification and changing habitats    | Plant reproduction | How does wind affect seed dispersal? |

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YEAR 5/6

**CYCLE A**

| Autumn 1                | Autumn 2               | Spring 1                       | Spring 2                        | Summer 1             | Summer 2                           |
|-------------------------|------------------------|--------------------------------|---------------------------------|----------------------|------------------------------------|
| <b>MATERIALS</b>        | <b>MATERIALS</b>       | <b>FORCES, EARTH AND SPACE</b> | <b>ANIMALS INCLUDING HUMANS</b> | <b>ENERGY</b>        | <b>MAKING CONNECTIONS</b>          |
| Mixtures and separation | Properties and changes | Earth and space                | Circulation and health          | Light and reflection | How reflective are space blankets? |

**CYCLE B**

| Autumn 1                                | Autumn 2                       | Spring 1                                | Spring 2                         | Summer 1                                | Summer 2  |
|---|--------------------------------|---|----------------------------------|---|---|
| <b>LIVING THINGS AND THEIR HABITATS</b> | <b>FORCES, EARTH AND SPACE</b> | <b>LIVING THINGS AND THEIR HABITATS</b> | <b>ENERGY</b>                    | <b>LIVING THINGS AND THEIR HABITATS</b> | <b>ANIMALS, INCLUDING HUMANS/ MAKING CONNECTIONS</b>                  |
| Life cycles and reproduction            | Unbalanced forces              | Classifying big and small               | Circuits, batteries and switches | Evolution and inheritance               | Human timeline<br>How does light affect the direction of plant growth |