



## Halam Church of England Primary School

### Science Overview

#### Cycle A

|                                     | Autumn   |   | Spring  | Summer  |   |
|-------------------------------------|--|---|---|---|---|
| <b>EY</b><br><b>Y1</b><br><b>Y2</b> | Seasonal change<br>Knowing about seasonal changes<br><b>Why are there so many leaves on the floor?</b> |   | Animals<br>Food chains and habitats<br><b>Why would a dinosaur not make a good pet?</b>   | Plants<br>Knowing the parts of plants and trees<br><b>Which plants and birds would Evie find in her park?</b> |   |
| <b>Y3</b><br><b>Y4</b>              | Physics (Electricity)<br><b>What is electricity and why is it so important in our lives?</b>           | Physics (Rocks and Magnets)<br><b>What are the main types of rocks on our earth?</b>  | Chemistry (States of matter and the Water Cycle)<br><b>How do some solids, liquids and gases change state?</b>                        | Biology (Animals, including humans/skeletons and muscles)<br><b>Why do humans have skeletons and muscles?</b> |   |
| <b>Y5</b><br><b>Y6</b>              | Biology (Animals and animal classification)<br><b>Do all animals start life as an egg?</b>             | Biology (Animals including humans and their habitats/life cycles)<br><b>How different will you be when you are as old as your grandparents?</b> | Chemistry (Properties and changes in materials/reversible and irreversible changes)<br><b>Could you be the next CSI investigator?</b> | Physics (Forces)<br><b>Does everything that goes up always come down?</b>                                     | Physics (Light)<br><b>How can you light up your life?</b> |

#### Cycle B

|                                     | Autumn  |  | Spring   |   | Summer  |
|-------------------------------------|---|--|--|---|---|
| <b>EY</b><br><b>Y1</b><br><b>Y2</b> | Everyday materials<br>Naming different materials<br>Using materials for different tasks<br><b>What would Traction Man use to build your school?</b> |  | Humans<br>Exercising and keeping healthy<br><b>How will 5-a-day keep me healthy?</b>                               | Animals<br>Classifying animals<br>Life cycles and animals<br><b>Why are humans not like tigers?</b> | Plants<br>How do plants grow?<br>Keeping plants healthy<br><b>How quickly do plants grow?</b> |
| <b>Y3</b><br><b>Y4</b>              | Physics (Light and Dark)<br><b>Why do we have light and dark and what is its impact on everyday life?</b>   | Physics (Sound)<br><b>How is sound created and how does it travel?</b>         | Biology (Animals including humans/digestive system)<br><b>What happens to the food we eat?</b>                     |   | Biology (plants and Animals)<br><b>How are living things grouped?</b>                         |
| <b>Y5</b><br><b>Y6</b>              | Physics (Earth and Space)<br><b>Is there anybody out there?</b>   | Biology (Evolution and Inheritance)<br><b>Have we always looked like this?</b> | Biology (Animals including humans/circulatory system)<br><b>Why is your heart the most important pump you own?</b> |   | Physics (Electricity)<br><b>Could you be the next Nintendo apprentice?</b>                    |