



# Holywell Primary School

Tolpits Lane, Watford, Herts, WD18 6LL  
 Tel: 01923 225188 email: [admin@holywell.herts.sch.uk](mailto:admin@holywell.herts.sch.uk)  
 Headteacher: Mr Coert van Straaten MA. Ed, Dip Edu, NPQH

*we are a learning community with the spirit to succeed*

## Subject Overview 2022-23 – Science

| Year group | Autumn 1   | Autumn 2   | Spring 1  | Spring 2     | Summer 1   | Summer 2  |
|------------|--|--|---|--------------|--|---|
| Nursery    | <b>Ongoing:</b><br>Communication and Language<br>Physical Development<br>Understanding the World   |  | <b>Ongoing:</b><br>Communication and Language<br>Physical Development<br>Understanding the World                            |              | <b>Ongoing:</b><br>Communication and Language<br>Physical Development<br>Understanding the World |   |
| Reception  | <b>Ongoing:</b><br>Communication and Language<br>Physical Development<br>Understanding the World   |  | <b>Ongoing:</b><br>Communication and Language<br>Physical Development<br>Understanding the World                            |              | <b>Ongoing:</b><br>Communication and Language<br>Physical Development<br>Understanding the World |   |
| Year 1     | <b>Animals including Humans</b><br>Mammals, birds and animal groups, carnivores and herbivores)  | <b>Seasonal Changes</b><br>The seasons and changes we see  | <b>Materials and their Properties- Everyday Materials</b><br>Properties of materials and what every day items are made from |              | <b>Plants</b><br>Basic structure of a plant  |   |
| Year 2     | <b>Living things and their Habitats</b><br>Comparing living and non-living things and begin to recognise different habitats and which animals live where | <b>Materials- Everyday Materials and their uses</b><br>Suitability of materials for their use and how they can physically change (squashing etc) | <b>Animals including Humans</b><br>Offspring, life cycles, food/ nutrition and hygiene                                      |              | <b>Plants</b><br>How plants grown and what they need, how seeds change                           | <b>Mammals, Growth and Health</b><br>Basic needs of animals |
| Year 3     | <b>Animals including Humans</b>  | <b>Forces and Magnets</b><br>How items move on different surfaces and  | <b>Rocks</b>  | <b>Light</b> | <b>States of Matter</b><br>Compare and group different materials, solids,                        | <b>Animals including Humans</b>                             |



|        |   |   |   |  |  |   |
|--------|---|---|---|--|--|---|
|        | Features of an animal, nutrition and skeleton   | magnets (poles, attract, repel)   | Group and classify and recognise properties of different types of rock      | Why do we need light, shadows, light sources (the sun)           | liquids and gases and how we can change from one to another (changing state)                                       | Food chains, predators and prey   |
| Year 4 | <b><u>Living things and their Habitats</u></b><br>Classification keys, environment and how environments can change  | <b><u>Animals including Humans</u></b><br>Digestive System  | <b><u>Electricity</u></b><br>Simple Circuits                                | <b><u>Sound</u></b><br>How are sounds made?                      | <b><u>Plants</u></b><br>Functions and features of plants, pollination, seed dispersal and the life cycle of plants |   |
| Year 5 | <b><u>Properties and changes of Materials</u></b><br>Solubility, properties of materials, solids, liquids and gases, sorting materials, reversible and irreversible changes |   | <b><u>Earth and Space</u></b><br>The Earth, planets, moon and day and night | <b><u>Living things and their Habitats</u></b><br>Reproduction   | <b><u>Forces and Magnets</u></b><br>Gravity, air resistance and the effect of a force                              | <b><u>Animals including Humans</u></b><br>Changes of internal and external appearance in humans and animals as they go through their life cycle |
| Year 6 | <b><u>Animals including Humans</u></b><br>Human heart and circulatory system, impact of diet, drugs and exercise  | <b><u>Inheritance and Evolution</u></b><br>Dissolving, mixing and changes of state are reversible changes | <b><u>Light</u></b><br>How light travels, how we see, shadows               | <b><u>Living Things and their Habitats</u></b><br>Classification | <b><u>Electricity</u></b><br>Changing components and the affect it has, use of electrical symbols                  |   |