# St Bede's Catholic Academy Science Yearly Overview 2017/18

| | Autumn 1 | Autumn 2 | Spring 1 | Spring 2 | Summer 1 | Summer 2 |
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| L. F. S Year 1 | What is happening to the trees? (Autumn)<br>Who lives here? | What is happening to the trees? (Winter)<br>What happens at night?<br>What is the moon? | Which hat is best to wear today?<br>What is the weather like today? (Winter)<br>What Melts? | What is happening to the trees? (Spring)<br>Who has stripes?<br>Is all of a plant green? | What is happening to the trees? (Summer)<br>What can I grow for my dinner?<br>What is inside an egg? | What makes it move?<br>How does my toy work?<br>What is the weather like today? (Summer) |
| Year 2 | What is happening to the trees? (Autumn)<br>What happens when you mix it?<br>How do you make a good bubble? | What is happening to the trees? (Winter)<br>What is the weather like today? (Winter)<br>What goes through? | What is happening to the trees? (Spring)<br>What does an earthworm do? | Who are my parents?<br>What am I made of? | What is happening to the trees? (Summer)<br>What is in the sky? | What is the weather like today? (Summer)<br>What floats? |
| U. F. S | What is in the sky?<br>What is the moon?<br>What happens at night? | What is happening to the trees?<br>Which hat is best to wear today?<br>What is the weather like today? | What makes it move?<br>How does my toy work?<br>What floats? | What can I grow for my dinner?<br>What happens when you mix it?<br>What am I made of? | Who has stripes?<br>What is inside an egg?<br>What does an earthworm do? | Is all of a plant green?<br>What melts?<br>How do you make a good bubble? |
| Year 1 | Our Changing World:<br>Looking at how plants, animals and the weather change during the year. | Everyday Materials:<br>Learn about a range of basic materials and their properties | Our Changing World:<br>Looking at how plants, animals and the weather change during the year. | Looking at Animals:<br>Learn about a variety of familiar and less familiar animals, including fish, amphibians, reptiles, birds and mammals. | Plant Detectives:<br>Learn about a wide variety of plants, including trees, which can be found in our immediate environment. | Our Changing World:<br>Looking at how plants, animals and the weather change during the year. |
| Year 2 | Materials – Shaping up and making good choices:<br>Properties of materials. Choosing materials that are suitable for a particular purpose. Looking at different ways of changing shapes of objects made from different materials. | Animals, including humans<br>Taking care and growing up:<br>Looking at different ways to keep healthy and to consider the importance of eating a range of different foods as well as exercise and hygiene. | Animals, including humans<br>Taking care and growing up:<br>Looking at different ways to keep healthy and to consider the importance of eating a range of different foods as well as exercise and hygiene. | Our Changing world:<br>Looking at animals in their habitats and how they change through the year. | The Apprentice Gardner:<br>Looking at what a plant needs to grow and will grow some plants from bulbs or seeds. | What is in your Habitat?:<br>Looking at different habitats and how the living things are suited to those habitats. |
| Year 3 | Animals including humans:<br>Exploring skeletons, food groups, muscles and joints, balanced diets, effects of exercise. | Animals including humans:<br>Exploring skeletons, food groups, muscles and joints, balanced diets, effects of exercise. | The Power of Forces:<br>Exploring surfaces, friction, magnets, magnetic materials, magnet strength. | Rock Detectives:<br>Exploring different types of rocks, fossils, volcanoes, properties of soil. | How does your garden grow:<br>Learning about plants, structure and function, water transportation, seed dispersal. | Can You See Me?:<br>Looking at light, shadows, reflection, transparency, mirrors, sun. |
| Year 4 | Who am I?:<br>Finding out about different habitats. Learning about how vertebrates and invertebrates are grouped. | Vibrations :<br>Learning about how different sounds are made. | In a state :<br>Learning about the different properties of solids, liquids and gases. Understanding the water cycle. | Where does all that food go?:<br>Looking at different food groups, how food is broken down and our teeth. | Human impact :<br>-finding out about the impact of humans on the environment. | Switched on :<br>Learning about electricity and different circuits. |

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| Year 5 | Get Sorted:<br>To identify, classify and compare a variety of materials. Develop knowledge and understanding of different materials and how a materials properties make it more suitable for a particular use. | Feel the Force:<br>Children to develop an understanding of how forces including gravitational attraction and drag forces affect movement. Investigate pulleys, levers and gears. | The Earth and Beyond:<br>Develop knowledge of the earth's place in the solar system. To understand how day, night and the seasons occur. | Marvellous Mixtures:<br>Develop understanding of how mixtures of solids and liquids could be separated, To investigate dissolving and how to retrieve dissolved solids from a solution. | The Circle of Life<br>Extend understanding of life cycles (mammals, amphibians, insects and birds) To compare and contrast life cycles and learn about how humans are working towards supporting endangered animals. | Our Changing World:<br>Develop understanding of the life cycles of plants. Look for evidence of plant reproduction and explore methods of growing plants. |
| Year 6 | Animals, including humans: circulatory system and how our body works. Diet, exercise and drugs. | Living things and their habitats: classification, different environments for different species (adaptation), plant life, microorganisms and types of animals and life cycles | Evolution and inheritance: fossils, evolution, famous scientists and their work. | Light: how light travels, sources of light, the eye, reflection and refraction. | Electricity: circuits, how circuits can change with voltage and representing circuits with diagrams. | Our Changing World:<br>How living things adapt to different environments. How physical characteristics, patterns of behaviour and life cycles improve their chance of survival. |