

<b>St Bede's Catholic Academy</b>						
<b>Science</b>			<b>Yearly Overview</b>		<b>2015/16</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>L. F. S</b> <b>Year 2</b>	What is happening to the trees? (Autumn) Who lives here? Which hat is best to wear today?	What is happening to the trees? (Winter) What is the weather like today? (Winter) What Melts?	What is happening to the trees? (Spring) Who has stripes? Is all of a plant green?	What can I grow for my dinner? What is inside an egg?	What is happening to the trees? (Summer) What happens at night? What is the moon?	What is the weather like today? (Summer) What makes it move? How does my toy work?
	What is happening to the trees? (Autumn) What happens when you mix it? How do you make a good bubble?	What is happening to the trees? (Winter) What is the weather like today? (Winter) What goes through?	What is happening to the trees? (Spring) What does an earthworm do?	Who are my parents? What am I made of?	What is happening to the trees? (Summer) What is in the sky?	What is the weather like today? (Summer) What floats?
<b>U. F. S</b>	What am I made of? What happens when you mix it? How do you make a good bubble? Who lives here?	Which hat is best to wear today? What is happening to the trees? What is the weather like today?	Who has stripes? What happens at night? What is in the sky? What is the moon?	What is happening to the trees? What makes it move? How does my toy work? What goes through?	What can I grow for my dinner? What does an earthworm do? What floats? What is happening to the trees?	What is inside an egg? Is all of a plant green? Who are my parents? What melts? What is the weather like today?
<b>Year 1</b>	Our Changing World: Looking at how plants, animals and the weather change during the year.	Everyday Materials: Learn about a range of basic materials and their properties	Using our Senses: Developing knowledge and understanding of the human body.	Our Changing World: Looking at how plants, animals and the weather change during the year.	Looking at Animals: Learn about a variety of familiar and less familiar animals, including fish, amphibians, reptiles, birds and mammals.	Plant Detectives: Learn about a wide variety of plants, including trees, which can be found in our immediate environment.
<b>Year 2</b>	Take Care: 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.	Materials Good Choices: Looking at objects and materials. And properties of those materials. Also if a particular object is suitable for a particular purpose.	Materials Shaping Up: Looking at different ways of changing shapes of objects made from different materials.	The Apprentice Gardener: Looking at what a plant needs to grow and will grow some plants from bulbs or seeds.	Our Changing world: Looking at animals in their habitats and how they change through the year.	What is in your Habitat?: Looking at different habitats and how the living things are suited to those habitats.
<b>Year 3</b>	Can You See Me?: Looking at light, shadows, reflection, transparency, mirrors, sun.	The Power of Forces: Exploring surfaces, friction, magnets, magnetic materials, magnet strength.	How does your garden grow: Learning about plants, structure and function, water transportation, seed dispersal.	Rock Detectives: Exploring different types of rocks, fossils, volcanoes, properties of soil.	Our Changing World: Learn about how leaves, plants and flowers change during the year. What type of seeds can we find? How often insects visit plants. Berries.	Amazing Bodies: Exploring skeletons, food groups, muscles and joints, balanced diets, effects of exercise.
<b>Year 4</b>	Our Changing world: Looking at classification of trees and plants Human impact -finding out about the impact of humans on the environment.	Vibrations Learning about how different sounds are made.	In a state Learning about the different properties of solids, liquids and gases. Understanding the water cycle.	Where does all that food go? Looking at different food groups, how food is broken down and our teeth.	Switched on Learning about electricity and different circuits.	Who am I? Finding out about different habitats. Learning about how vertebrates and invertebrates are grouped.

Year 5	<p><i>Get Sorted:</i> To identify, classify and compare a variety of materials. To understand that under the term metal, plastic etc. can be a considerable number of different materials displaying different properties.</p>	<p><i>Everyday Materials</i> Develop knowledge and understanding of different materials and how a materials properties make it more suitable for a particular use.</p>	<p><i>Marvellous Mixtures</i> Develop understanding of how mixtures of solids and liquids could be separated, To investigate dissolving and how to retrieve dissolved solids from a solution</p>	<p><i>The Earth and Beyond</i> Develop knowledge of the earth's place in the solar system. To understand how day, night and the seasons occur.</p>	<p><i>The Circle of Life</i> 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.</p>	<p><i>Feel the Force</i> Children to develop an understanding of how forces including gravitational attraction and drag forces affect movement. Investigate pulleys, levers and gears.</p>
Year 6	<p><i>Living things and their habitats:</i> classification, different environments for different species (adaptation), plant life, microorganisms and types of animals and life cycles</p>	<p><i>Animals, including humans:</i> circulatory system and how our body works. Diet, exercise and drugs.</p>	<p><i>Evolution and inheritance:</i> fossils, evolution, famous scientists and their work.</p>	<p><i>Light:</i> how light travels, sources of light, the eye, reflection and refraction</p>	<p><i>Electricity:</i> circuits, how circuits can change with voltage and representing circuits with diagrams</p>	<p><i>Forces:</i> revision</p>