

St Bede's Catholic Academy							
		Science		Yearly Overview		2019/2020	
	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2	
Year 1	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.	Our Changing World: Looking at how plants, animals and the weather change during the year.	Plant Detectives: Learn about a wide variety of plants, including trees, which can be found in our immediate environment.	Everyday Materials: Learn about a range of basic materials and their properties	Our Changing World: Looking at how plants, animals and the weather change during the year.	
Year 2	Materials - Shaping up and making good choices: 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 Taking care and growing up: 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 Taking care and growing up: 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: Looking at animals in their habitats and how they change through the year.	The Apprentice Gardner: Looking at what a plant needs to grow and will grow some plants from bulbs or seeds.	What is in your Habitat?: Looking at different habitats and how the living things are suited to those habitats.	
Year 3	Animals including humans: Exploring skeletons, food groups, muscles and joints, balanced diets, effects of exercise.	Animals including humans: Exploring skeletons, food groups, muscles and joints, balanced diets, effects of exercise.	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.	
Year 4	Where does all that food go?: Looking at different food groups, how food is broken down and our teeth.	Vibrations : Learning about how different sounds are made.	Switched on : Learning about electricity and different circuits.	Who am I?: Finding out about different habitats. Learning about how vertebrates and invertebrates are grouped.	Human impact : -finding out about the impact of humans on the environment.	In a state : Learning about the different properties of solids, liquids and gases. Understanding the water cycle.	
Year 5	Get Sorted: To identify, classify and compare a variety of materials. Develop knowledge and understanding of different materials and how a material's properties make it more suitable for a particular use.	Feel the Force: Children to develop an understanding of how forces including gravitational attraction and drag forces affect movement. Investigate pulleys, levers and gears.	Marvellous Mixtures: 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 Earth and Beyond: Develop knowledge of the earth's place in the solar system. To understand how day, night and the seasons occur.	Our Changing World: Develop understanding of the life cycles of plants. Look for evidence of plant reproduction and explore methods of growing plants.	The Circle of Life 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.	
Year 6	Electricity: circuits, how circuits can change with voltage and representing circuits with diagrams	Light: how light travels, sources of light, the eye, reflection and refraction	Evolution and inheritance: fossils, evolution, famous scientists and their work.	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	Our Changing World: How living things adapt to different environments. How physical characteristics, patterns of behaviour and life cycles improve their chance of survival.	