CATHOLIC PRIMARY SCHOOL
DIOCESE OF EAST ANGLIA

Christ Be Our Light

Science whole school curriculum

Year group	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
EYFS	**Characteristics of Effective Learning (Enquiry)** • Show curiosity about objects, events and people • Questions why things happen • Engage in open-ended activity • Take a risk, engage in new experiences and learn by trial and error • Find ways to solve problems / find new ways to do things / test their ideas • Develop ideas of grouping, sequences, cause and effect • Comments and asks questions about aspects of their familiar world such as the place where they live or the natural world • Use senses to explore the world around them • Make links and notice patterns in their experiences • Create simple representations of events, people and objects • Build up vocabulary that reflects the breadth of their experience **Understanding the World ELG (Early Learning Goal)** • **Past and Present** • **People, Culture and Communities**					

	• **The Natural World –** Explore the Natural World around them, making observations and drawing pictures of animals and plants. • Know some of the differences between the natural world around them and contrasting environments, drawing on their experiences and what has been read in class. • Understand some important processes and changes in the Natural World around them, including the seasons and changing states of matter.					
	Introducing the Seasons with the season of **Autumn** leaves, colours Voting for Tree groups – learning to identify their group's trees Reception Garden – based on **'The Potting Shed'** (Switched on Science)	**'Food of the Seasons'** (Switched on Science) – different types of squash, pumpkins, butternut squash Making Soup	Introducing the Season of **Winter** – theme of **'Frozen'** Observing frosty days, exploring ice, Winter Watch, David Attenborough's Frozen Planet Theme of **'All About Teeth' –** learning about the importance of oral hygiene	**'Zarg's World'** (Switched on Science) exploring Space and what it is like to be in Space, looking at Earth from Space Theme of **'All About Birds'** Observing birds in our playground, different features, how to identify –	Introducing Season of **Summer** Theme of **'Into the Woods'** comparing woodland habitat at Lammas Land and Fulbourn Beech Woods	Introducing theme **'Looking After Our World'** How we can make a difference to our world – reduce – reuse - recycle

	planting bulbs for Spring			bird watching at Fulbourn Beech Woods, Wandlebury and Lammas Land Introducing Season of **Spring**		
Year 1	Animals including humans – Who am I? **(Biology)**	Seasonal changes - Celebrations **(Biology)**	Everyday materials – Polar Places **(Chemistry)**	Plants and Animals **(Biology)**	On Safari **(Biology)**	Plants - Holiday **(Biology)**
Year 2	Healthy Me **(Biology)**	Materials **(Chemistry)**	Squash, Bend, Twist and Stretch **(Chemistry)**	Our local environment **(Biology)**	Plants **(Biology)**	Animals including Humans – Little Master Chef **(Biology)**

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Year 3	Rocks and Soil **(Biology)**	Animals including humans **(Biology)**	Light and Shadows **(Physics)**	Plants **(Biology)**	Forces and Magnets **(Physics)**	Forces and Magnets – Working Scientifically **(Physics)**
Year 4	Animals including humans **(Biology)**	All Living Things **(Biology)**	States of Matter - Working scientifically (weeks 1 to 4) **(Chemistry)**	States of Matter **(Chemistry)**	Sound **(Physics)**	Electricity **(Physics)**
Year 5	Earth and Space **(Physics)**	Forces **(Physics)**	Materials solids/liquids **(Chemistry)**	Properties and changes of materials **(Chemistry)**	Animals including Humans **(Biology)**	Living Things and their habitats **(Biology)**
Year 6	Animals including Humans – Circulatory System **(Biology)**	Living things and their habitats **(Biology)**	Electricity **(Physics)**	Light **(Physics)**	Evolution and Inheritance **(Biology)**	Evolution and Inheritance **(Biology)**

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