Curriculum Overview

Bishop Chadwick Catholic Education Trust

Science

"Remember to look up at the stars, not down at our feet. Try to make sense of what you see and wonder about what makes the universe exist. Be curious." – Stephen Hawking

Curriculum Coverage						
Threshold Concepts		Biology		Chemistry		Physics
Upper KS2	Cycle B	Sound and Hearing Unit 2	Earth and Space Unit 2	Materials Unit 4	Evolution and Inheritance Unit 1	Movement and Forces Unit3
	Cycle A	Living Things Unit3	Electricity Unit 3	Light and Seeing Unit 2	Animals and Humans Unit 5 and 6	Animals and Humans Unit 6
Lower KS2	Cycle B	Movement and Forces Unit 2	Sound and Hearing Unit 1	Animals and Humans Unit 3	Living Things Unit 2	Animals and Humans Unit 4
	Cycle A	Rocks Unit 1	Materials Unit 3	Light and Seeing Unit 1	Plants Unit 3	Electricity Unit 2
KS1	Cycle B	Animals and Humans Unit 1	Earth and Space Unit 1	Plants Unit 1	Animals and Humans Unit 2	Plants Unit 2
	Cycle A	Electricity Unit 1	Materials Unit 1	Movement and Forces Unit 1	Living Things Unit 1	Materials Unit 2

Intent
Our vision for Science, at St Mary Magdalen's, is to strive for all children to become inquisitive individuals who are able to engage with the world around them. In order to deliver this, our science curriculum is rooted in scientific enquiry and practical experiences to foster a deep understanding of scientific concepts and a developing vocabulary to articulate their thinking. Lessons should consolidate prior knowledge, foster a deep understanding of topics and concepts whilst offering investigative opportunities for children to learn through experience.

Implementation
The planning of each unit has been rooted in key concepts within the three areas of Science: Biology, Chemistry and Physics. Due to our mixed year groups, we operate on a two-year rolling programme. Each cycle is sequenced so that it builds upon prior learning creating a bespoke curriculum for our school.

Impact
Pupil voice and competence conducting investigations pupils to showcase of skills and knowledge from their lessons. Pupils will be able to talk using scientific language and vocabulary linked to specific strands of biology, chemistry and physics. They can make links and connections to what they have been taught previously. Scientific learning, thinking and enjoyment will be visible through science lessons