



	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
7	Working like a scientist Particles	Cells Energy	Breathing and respiration Atoms, Elements and Compounds	Sound	Light and Waves	Photosynthesis
8	Acids and Alkalis Electricity and Magnetism	Reproduction	Separation Techniques The Periodic Table	Health and Lifestyle	Skeletal and Muscular Systems Forces	The Earth
9	Metals and Non-Metals Space	Density and Pressure Inheritance, Variation and Evolution	Chemical Reactions Forces in Action	Ecology	How Science Works	Foundations in Biology Foundations in Chemistry
10	C1 -Atomic Structure P1 – Energy B2 - Organisation	C2 – Bonding, Structure and the Properties of Matter P2 - Electricity	B3 – Infection and Response C4 – Chemical Changes	P3 – Particle Model of Matter B4 – Bioenergetics C3 – Quantitative Chemistry	P4 – Atomic Structure C5 – Energy Changes	B7 - Ecology
11	C3 – Quantitative Chemistry B3 – Infection and Response C4 – Chemical Changes	P5 – Forces B5 – Homeostasis and Response	C7 – Organic Chemistry P6 – Waves B6 – Inheritance, Variation and Evolution	C9 – Atmosphere P7 – Magnetism and Electromagnetism	C10 – Using Resources	

Curriculum Rationale: The Science Curriculum at Barr Beacon School is designed to provide pupils with relevant knowledge to enable them to be scientifically literate members of society. In our rapidly changing world, where new and emerging technologies present ethical challenge to our democratic society, we will empower pupils with relevant knowledge to effectively question information and make informed contributions. Even given infinite time, we could not hope to fully explain all the contributions science makes to the world around us, we have developed our curriculum to build interest and promote curiosity in the applications of science.

