



	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
<b>7</b>	Working like a scientist Particles	Cells Energy Transfers	Breathing and respiration	Atoms, Elements and Compounds	Sound Light and Waves	Plants
<b>8</b>	Breathing and respiration Light and Waves	Plants Acids and Alkalis	Electricity and Magnetism	Food and Nutrition	Energy in the home	Reactivity
<b>9</b>	Plants Energy in the home	Reactivity	Space Pressure and Fluids	DNA, Inheritance and cloning Chemical Reactions	Motion Work Leavers and Pivots	Ecology
<b>10</b>	Atomic Structure Bonding Structure and the properties of matter Atomic Structure - Radioactivity	Cell Biology Human and Plant structures in biology Energy Stores and Transfers	Specific and Latent Heat Energy Changes Bioenergetics	Rates of Reaction Enzymes	Electricity Ecology	Energy Resources Chemical Analysis
<b>11</b>	Homeostasis and Response Organic Chemistry Forces	Inheritance Variation and Evolution Quantitative Chemistry	Waves Using Resources	Magnetism	Ecology Chemistry of the atmosphere.	

**Curriculum Rational:** 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.