

Year One	Module name	Module Subtopics
Autumn	Biology 1 Keeping healthy	<p>Keeping healthy Diet and exercise, defending against infection</p> <p>Nerves and hormones The nervous system, control in the human body, control in plants</p> <p>The use and abuse of drugs Drugs</p>
Spring	Chemistry 3 Materials from the earth	<p>Fundamental ideas in chemistry Atoms, the periodic table, chemical reactions</p> <p>Limestone and building materials Calcium carbonate</p> <p>Metals and their uses Extracting metals and making alloys</p> <p>Crude oil and fuels Separating crude oil, hydrocarbons as fuels</p> <p>Useful substances from crude oil Alkenes, polymers and ethanol</p>
Summer	Physics 6 Electricity and waves	<p>Mains electricity Generating electricity</p> <p>Waves General properties of waves, sound and light</p> <p>Origins of the Universe Red-shift</p>

Year Two		
Autumn	Biology 2 Inheritance, Evolution, Environment	<p>Interdependence and adaptation Adaptations, environmental change</p> <p>Food chains, energy, biomass and cycles Energy in biomass, the carbon cycle</p> <p>Genetic variation and its control Why organisms are different, reproduction</p> <p>Evolution Theories of evolution</p>
Spring	Chemistry 4 Oils, Earth and Atmosphere	<p>Plant oils and their uses Vegetable oils, emulsions and hydrogenation</p> <p>Changes in the Earth and its atmosphere The Earth's crust, the Earth's atmosphere</p>
Summer	Physics 5 Energy transfer and Efficiency	<p>Heating and cooling Energy transfer by heating, buildings</p> <p>Energy and efficiency Energy transfers and efficiency, electrical appliances</p>