

### Science at St. Monica's

	Year 7	Year 8	Year 9	Year 10	Year 11
Autumn 1	<ul style="list-style-type: none"> <li>• Introduction to Science</li> <li>• Particles</li> <li>• Energy</li> <li>• Pure and impure substances</li> </ul>	A history of the Earth <ul style="list-style-type: none"> <li>• The rock cycle</li> <li>• Chemical Systems</li> <li>• Interdependence and biodiversity</li> </ul>	Scientific skills <ul style="list-style-type: none"> <li>• Atomic chemistry</li> <li>• Genetics, evolution and adaptation</li> </ul>	<ul style="list-style-type: none"> <li>• Electromagnetic radiation and waves</li> <li>• Chemical patterns</li> <li>• Microbes and disease</li> </ul>	<ul style="list-style-type: none"> <li>• Ionising radiation</li> <li>• Chemical Analysis</li> <li>• Body systems</li> </ul>
Autumn 2	Going for Gold <ul style="list-style-type: none"> <li>• Health in the human body</li> <li>• Forces</li> <li>• Reproduction</li> <li>• Magnetism</li> </ul>	Science at war <ul style="list-style-type: none"> <li>• Forces</li> <li>• Reactions of metals</li> <li>• The periodic table</li> <li>• Health and disease</li> </ul>	Scientific skills <ul style="list-style-type: none"> <li>• Energy use and energy resources</li> <li>• Life processes</li> </ul>	<ul style="list-style-type: none"> <li>• Electromagnetic radiation and waves</li> <li>• Chemical patterns</li> <li>• Microbes and disease</li> </ul>	<ul style="list-style-type: none"> <li>• Ionising radiation</li> <li>• Chemical Analysis</li> <li>• Body systems</li> </ul>
Spring 1	<b>As above</b>	<b>As above</b>	Transition to GCSE <ul style="list-style-type: none"> <li>• Mastery of key skills at GCSE</li> </ul>	<ul style="list-style-type: none"> <li>• Electricity and magnetism</li> <li>• Chemicals of the environment</li> <li>• Photosynthesis and ecosystems</li> </ul>	<ul style="list-style-type: none"> <li>• Matter and models</li> <li>• Making useful chemicals</li> <li>• Evolution by natural selection</li> </ul>
Spring 2	Lost in Space <ul style="list-style-type: none"> <li>• Acid and alkalis</li> <li>• Cells</li> <li>• Electricity</li> <li>• Space</li> </ul>	Shipwrecked <ul style="list-style-type: none"> <li>• Heat and light</li> <li>• Sound</li> <li>• Elements and compounds</li> <li>• Respiration</li> </ul>	Transition to GCSE <ul style="list-style-type: none"> <li>• Mastery of key skills at GCSE</li> </ul>	<ul style="list-style-type: none"> <li>• Electricity and magnetism</li> <li>• Chemicals of the environment</li> <li>• Photosynthesis and ecosystems</li> </ul>	<b>Mastery and revision</b>
Summer 1	<b>As above</b>	<b>As above</b>	<ul style="list-style-type: none"> <li>• The chemistry of Air and water</li> </ul>	<ul style="list-style-type: none"> <li>• Forces and motion</li> <li>• Material chemistry</li> <li>• Respiration and growth</li> </ul>	<b>Mastery and revision</b>
Summer 2	Photosynthesis <ul style="list-style-type: none"> <li>• Plant structures</li> <li>• The process of photosynthesis</li> </ul>	Human Systems <ul style="list-style-type: none"> <li>• Digestive system</li> <li>• Skeletal system</li> </ul>	<ul style="list-style-type: none"> <li>• Genetics</li> <li>• Energy and Resources</li> </ul>	<ul style="list-style-type: none"> <li>• Forces and motion</li> <li>• Material chemistry</li> <li>• Respiration and growth</li> </ul>	<b>Exams</b>

