

	What we do	When we do it	How it helps students to develop our Alive theme
Year 10 Year 11	<p>Core practical lessons – These are lessons in which students need to conduct pre-planned experiments to research or investigate scientific phenomenon</p> <p>Year 10/11 mocks – Topics are shared with students before assessments as a key revision aid</p>	<p>Terms 1 – Term 6</p>	<p>This helps students to appreciate the process of scientific enquiry and how research plays an important role of forming and testing different hypotheses</p> <p>This helps students understand the process of revision and reduces cognitive load when revising for multiple topics. Students develop an appreciation of how they best revision and practice this before real examinations</p>

Term	Alive Theme	Examples of themes in the curriculum	How it helps students to develop that Alive theme
All terms	We can communicate	Developing clear explanations Lesson power-points contain structure for writing extended/open ended answers. Method is consistent across the lessons	Students learn to use evidence to inform their statements and communicate this in a logical and coherent manner
	We are organised We value ourselves	PRIDE (book standards) Displayed on boards in every classroom. Students rate their work based on the PRIDE standards	Students understand that link between being organised and careful with their work and link this to successes.
	We can review	MCQs and assessments Every topic has a series of multiple-choice questions and a formative assessment that students complete. These are either peer, self or teacher marked and feedback is acted upon and utilised in later assessments	Students engage with feedback cycles and use feedback as a means to review work and improve their scientific literacy
1	We value diversity and choice We value justice and respect	Stem cell research Part of the SB2 requires students to understand stem cells and evaluate the reasons why it is such a controversial issue	Students evaluate the importance, ethical and moral issues surrounding the use of stem cells in medicine. This includes looking at historical uses and how this has changed over time
3	We value diversity and choice	Genetics and reproduction Part of SB3 requires students to understand how their genetics and characteristics are linked to their parents genetics. This involves aspects of tolerance	Students explore topical issues such as inherited diseases, causes for some disabilities and issues surrounding gene therapy and genetic modification
6	We value ourselves	Healthy living, obesity and self-care Part of SB5 requires students to understand how diseases are spread and how we use medication and when to appropriately do so. Students are introduced to real world concepts such as BMI, uses of alcohol, smoking.	Students make correlations between drugs and diseases to understand the reasons moderation is required. They are informed of the scientific detriments of smoking, drinking and taking drugs.