

Plan Of Learning For The Year (Unit/Topic/Project Context)

<p>Half Term 1</p> <ul style="list-style-type: none"> Unit 1: Biology, Chemistry and Physics. Covering science applied in a range of contexts. The exam for this is at the end of year 12 with resit opportunities in year 13. <p>Half Term 2</p> <ul style="list-style-type: none"> Unit 1: Biology, Chemistry and Physics. Covering science applied in a range of contexts. The exam for this is at the end of year 12 with resit opportunities in year 13. <p>Half Term 3</p> <ul style="list-style-type: none"> Unit 2: Biology, Chemistry and Physics practical coursework unit. 6 different pieces of practical work are undertaken. The coursework allows students to research the science behind the practical work, and analyse the results. 	<p>Half Term 4</p> <ul style="list-style-type: none"> Unit 2: Biology, Chemistry and Physics practical coursework unit. 6 different pieces of practical work are undertaken. The coursework allows students to research the science behind the practical work, and analyse the results. <p>Half Term 5</p> <ul style="list-style-type: none"> Unit 3: Advance information case study. Students will analyse pre-release information on a case study. This is assessed in an exam at the end of year 12. <p>Half Term 6</p> <ul style="list-style-type: none"> Final submission of Unit 2: Biology, Chemistry and Physics practical coursework unit. 6 different pieces of practical work are undertaken. The coursework allows students to research the science behind the practical work, and analyse the results.
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Feedback, Retrieval & Assessment	Super curriculum opportunities / extra-curricular activities	Cultural Capital, SMSC, Careers and Futures
<ul style="list-style-type: none"> Regular self and peer assessment Regularly assessed homework Termly Teacher Assessment Termly Formal Assessment (FA) Learning logs used to guide feedback and develop students' mindset 	<ul style="list-style-type: none"> Applied science allows students to applied scientific understanding to real work situations. There are opportunities for trips to breweries to see science applied in a business. 	<ul style="list-style-type: none"> Application of Biology, Chemistry and Physics in real life contexts embedded throughout the course Development of skills to complete the practical elements of the course Careers session run with the AMRC about apprenticeships

Common misconceptions	Connecting New Knowledge	Challenge for all
<ul style="list-style-type: none"> Identification and use of correct equations Conversion of units and use of prefixes Correct referencing of research Calculating uncertainty Error bars on graphs 	<ul style="list-style-type: none"> Linking GCSE knowledge to new contexts Notes provided to students on content Spaced retrieval homework that covers a wide selection of knowledge to develop deeper understanding of content Revision guides loaned to students for the course 	<ul style="list-style-type: none"> Students are supported to enable them to work towards distinction level work.