

Long term planning grid

**Curriculum development for Yr 7, 8 and 9**

- All units are centred around STEM careers and making the knowledge relevant to our students. As such our units are thematic
- Skills are a focus of the unit, with knowledge being delivered around these skills
- All work in the unit will build to answer a big question
- There is a massive increase in the practical and investigative work
- Units are built so that essential knowledge and skills are revisited across the 3 years

	<i><b>Autumn 1</b></i>	<i><b>Autumn 2</b></i>	<i><b>Spring 1</b></i>	<i><b>Spring 2</b></i>	<i><b>Summer 1</b></i>	<i><b>Summer 2</b></i>
<b>Year 7</b>	<p><b>7A: The Chemistry of...</b></p> <p><b>What will be learnt?</b> Elements, compounds and mixtures, separating techniques, water, history of the atom</p> <p><b>Why will it be learnt?</b> To appreciate the relevance of chemistry in everyday products. To give a strong foundation of chemistry before studying trickier ideas</p> <p><b>Skills developed</b> All skill focus, with a spotlight on: Identifying equipment Planning variables</p>	<p><b>7B: Sports Science</b></p> <p><b>What will be learnt?</b> Cells, organisation, muscles, skeletons, respiration, forces, pressure, centre of mass</p> <p><b>Why will it be learnt?</b> To appreciate the relevance of these topics in their everyday lives and sports careers. To learn how their body moves and how equipment can help it to move faster</p> <p><b>Skills developed</b> All skill focus, with a spotlight on: drawing</p>	<p><b>7C: Stage and Screen</b></p> <p><b>What will be learnt?</b> Sound and light, speakers, electromagnets, circuits</p> <p><b>Why will it be learnt?</b> To appreciate the relevance of the topics to films, shows, music, tv etc and to related careers. To understand how sound, light, magnets and electricity are used to produce materials for the stage and screen</p> <p><b>Skills developed</b></p>	<p><b>7D: Transport and Travel</b></p> <p><b>What will be learnt?</b> Speed and acceleration, motion graphs, fuels, material</p> <p><b>Why will it be learnt?</b> To the relevance of our learning to their everyday journeys and careers related to the industry. To understand how and why things move.</p> <p><b>Skills developed</b> All skill focus, with a spotlight on: Evaluating and use of the word accuracy</p> <p><b>How will it be assessed</b></p>	<p><b>7E: Zoology</b></p> <p><b>What will be learnt?</b> Feeding relationships, interdependence, adaptations, classification, threats and conservation, research project and presentation on their favourite animal</p> <p><b>Why will it be learnt?</b> To understand the relevance of our learning to the natural world around us, so that we might protect it moving forward. Students will get to choose their research project, allowing them to share</p>	<p><b>7F: Science reporter</b></p> <p><b>What will be learnt?</b> Different ways that Science is reported and presented, Science in the news topical lessons, reliable sources, presenting data</p> <p><b>Why will it be learnt?</b> Students need to be aware of the science that is happening around them right now, not just what is in textbooks. They will be able to apply their knowledge to current events and write about it. They need to be able to read scientific</p>

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	<p><b>How will it be assessed</b> Ongoing retrieval quiz Key skill assessed write up End of Unit Report</p>	<p>graphs and calculating means</p> <p><b>How will it be assessed</b> Ongoing retrieval quiz Key skill assessed write up End of Unit Report</p>	<p>All skill focus, with a spotlight on: drawing conclusions</p> <p><b>How will it be assessed</b> Ongoing retrieval quiz Key skill assessed write up End of Unit Report</p>	<p>Ongoing retrieval quiz Key skill assessed write up End of Unit Report</p>	<p>and develop ideas on something they enjoy.</p> <p><b>Skills developed</b> All skill focus, with a spotlight on: Application Drawing conclusions Research and presentation</p> <p><b>How will it be assessed</b> Ongoing retrieval quiz Key skill assessed write up End of Unit Report</p>	<p>information and interpret it.</p> <p><b>Skills developed</b> All skill focus, with a spotlight on: Research Science communication And presenting information</p> <p><b>How will it be assessed</b> Ongoing retrieval quiz Key skill assessed write up End of Unit Report</p>
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