

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

	<b>Autumn 1</b>	<b>Autumn 2</b>	<b>Spring 1</b>	<b>Spring 2</b>	<b>Summer 1</b>	<b>Summer 2</b>
<b>Year 9</b>	<p><b>9A: Forensic Science</b></p> <p><b>What will be learnt?</b> DNA, inheritance, variation, mixtures, chromatography, light, microscopes, materials</p> <p><b>Why will it be learnt?</b></p> <p><b>Skills developed</b> All skill focus, with a spotlight on: Writing methods Developing theories</p> <p><b>How will it be assessed</b> Ongoing retrieval quiz Key skill assessed write up End of Unit Report</p>	<p><b>9B: space</b></p> <p><b>What will be learnt?</b> Day/night/seasons/years, planets, forces, satellites, stars, big bang</p> <p><b>Why will it be learnt?</b> To appreciate the range of careers linked to 'space' and to enable students to see how the world and universe around us works</p> <p><b>Skills developed</b> All skill focus, with a spotlight on: Evaluating Standard form</p> <p><b>How will it be assessed</b></p>	<p><b>9C: Medicine</b></p> <p><b>What will be learnt?</b> Heath, disease, pathogens, defence, vaccines, cells and cancer, treatments, genetics, x rays, ultrasounds, nuclear medicine</p> <p><b>Why will it be learnt?</b> To appreciate the range of careers links to medicine, to apply their knowledge to their own lives and experiences, to understand what happens when something goes wrong with their bodies and how we can treat it</p>	<p><b>9D: Science of Buildings</b></p> <p><b>What will be learnt?</b> Limestone, cement, polymers, insulation, glues, bonding, moments.</p> <p><b>Why will it be learnt?</b> To make links between the learning and a range of careers linked to buildings and their development. To be able understand the materials used to build their home and buildings around them.</p> <p><b>Skills developed</b> All skill focus, with a spotlight on:</p>	<p><b>9E: Saving the planet</b></p> <p><b>What will be learnt?</b> Pollution, carbon footprint, plastics, recycling, indicator species, fisheries, sustainability, activism</p> <p><b>Why will it be learnt?</b> To enable our students to understand the impact of human activities and to enable them to see that they can make a difference</p> <p><b>Skills developed</b> All skill focus, with a spotlight on: Drawing conclusions Application</p>	

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		<p>Ongoing retrieval quiz                      Key skill assessed write up                      End of Unit Report</p>	<p><b>Skills developed</b>                      All skill focus, with a spotlight on:                      Validity                      Drawing a results table</p> <p><b>How will it be assessed</b>                      Ongoing retrieval quiz                      Key skill assessed write up                      End of Unit Report</p>	<p>Evaluation                      Converting units</p> <p><b>How will it be assessed</b>                      Ongoing retrieval quiz                      Key skill assessed write up                      End of Unit Report</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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