

Technology Long Term Plan

Year	Curriculum Intent	Content	Method of assessment
9	<p>Engineering Design Building on prior knowledge from year 8 students extend their understanding of the design and manufacturing process, introducing computer control and sequencing.</p> <p>Food Technology Building on prior knowledge from year 8 students extend their knowledge of diet, food preparation and consumer choices.</p> <p>Information Technology Building on prior knowledge from year 8, students will further extend the complexity of planning and thinking skills required in designing databases and spreadsheets. And begin analysing more complex data sets and industry relevant processes.</p>	<p><u>Basic electronics and control:</u></p> <ul style="list-style-type: none"> • Switch theory • Series / parallel control • Computer control and sequencing <p><u>Communication:</u></p> <ul style="list-style-type: none"> • Sketching • Rendering • Technical drawing • CAD <p><u>Manufacture:</u></p> <ul style="list-style-type: none"> • Accuracy in manufacture using a variety of materials • H&S • 3D Printing <p><i>Feeds forward to GCSE</i></p> <p>Food Technology</p> <ul style="list-style-type: none"> • Dietary analysis • Food prep & cooking techniques • Knowledge of consumer food & drink choices • Apply knowledge to make informed choices • Develop creative technical and practical skills <p><i>Feeds forward to GCSE.</i></p> <p>Information Technology</p> <ul style="list-style-type: none"> • Spreadsheet design – skill building. • Database design – skill building. • Project planning techniques and instruction sets – skill and complexity building - the systematic and logical sequencing of complex actions, inc the design and use of flowcharts. • Analysing data – correlating complex data sets and presenting findings and analyses in a professional way. • GUI design skills – how GUIs are used in industry and the underlying controls behind them. <p><i>Feeds forward to GCSE.</i></p>	<ul style="list-style-type: none"> • Formal Tests, 3 weekly