

# Engineering Curriculum Guide

## Year 11

<b>What will my son learn?</b>		
<b>Autumn term</b> Unit 2: Introduction to engineering drawing <ul style="list-style-type: none"><li>• Know systems of measurement, measuring devices, scale and proportion in engineering drawing</li><li>• Be able to use measurement and scale to produce 2D and 3D engineering drawing</li></ul>	<b>Spring Term</b> Unit 4: Engineering materials and their properties <ul style="list-style-type: none"><li>• Be able to select a range of engineering materials for an identified purpose</li><li>• Be able to use a variety of processes to prepare, modify and finish the engineering materials for an identified purpose</li><li>• Be able to maintain a safe working environment</li></ul>	<b>Summer Term</b>  Completion of any outstanding elements of coursework form internally assessed units.

<b>How will my son be assessed?</b>
<p>Unit 4 is internally assessed through the completion of a series of coursework tasks. In order to complete a unit, submitted work will need to demonstrate achievement against a range of outcomes.</p> <p>Each coursework task enables the student to demonstrate their level of knowledge and understanding of a topic. Completed units are graded PASS, MERIT or DISTINCTION depending on how the student performs against a set of stated criteria.</p> <p>Coursework tasks are set throughout the term and for each a specified submission deadline is given.</p> <p>Students are given ONE opportunity to resubmit a task that is considered not to have met the required standard for specific criteria or to improve on their level of attainment.</p> <p>Unit 2 (Engineering drawing) is externally assessed by exam in November.</p> <p>The final qualification grade awarded is based on a student's attainment over all units studied.</p>

<b>How can I support my son with Engineering?</b>
<ul style="list-style-type: none"><li>• Pupils should be encouraged to take an active interest in engineering developments of all kinds through reading about the subject in newspapers and magazines, as well as relevant TV coverage. Visits to museums and exhibitions can also be of benefit.</li><li>• Parents can also help by monitoring pupils planners, assisting with any coursework or questions pupils may have and communicating with the teacher if there are any problems.</li></ul>

