

Overview of the Year

Term	Topics Covered	Assessment
Autumn 1	<p>Component 2.2 investigating 2 processes that are used to make a cycle pedal. Then to compare to other feasible processes such as 3d printing and casting.</p> <p>Component 2.3 manufacturing an example of a cycle component</p>	<p>Completed assignment on the 2 main processes. They are CNC machining and turning. Component 2.2 assignment to be handed in by October half term</p> <p>Completed example of machined part that reflects the standards laid out in an engineering drawing. Assignment 2.3 paperwork to be completed by October half term</p> <p>PPE1 to take place in lessons during October 12-16. 1hr 30 minutes (component 3.2 only)</p>
Autumn 2	<p>Evaluating how well a given component works compared to a users needs</p> <p>Identifying suitable materials for a given product</p> <p>Identify flaws with a chosen practical process or system</p> <p>Selecting appropriate production methods based on design requirements and unit numbers</p>	<p>Extension for 2.3 practical example to be extended into half term 2. Deadline Christmas. Internally assessed by teacher</p> <p>PPE practice question Component 3.2. Question 1 only.</p> <p>Part 1 conducted in lesson. Student need to use practical equipment for this exam.</p> <p>This practical example will be of deflection based on the change and position of mass this exam is 2 hours, completed in lesson time under exam conditions. November 2020.</p> <p>This exam is from feb 2020</p>
Spring 1	<p>Component 3.1 practice</p> <p>Setting up practical tests</p>	<p>Practice material in lessons and small stakes test.</p>

	<p>Conducting simple experiments</p> <p>Recording data accurately</p> <p>Plotting data</p> <p>Recognising patterns</p> <p>Explaining data</p> <p>Evaluate the execution of an experiment.</p> <p>Recap on all material laid out above in autumn 2.</p>	<p>Verbal Q&A sessions</p> <p>External exam set by Pearson part 1 is 2 hours. Part 2 is 1hr 30. This takes place the week before feb half term.</p>
Spring 2	ALL CA to SV by Easter	Final CA grades sent off to SV
Summer 1	Only students entered for a resit continue to work on engineering exam based material. Others study for their other exams	<p>Summer exam from pearson. Same format and timings as feb exam.</p> <p>It must be conducted in the same week.</p>
Summer 2		