

	Term 1: Sept –Dec Content	Term 2: Jan-April Content	Term 3: April - July Content	Desired end of year outcomes
Year 11	<p><u>OCR Cambridge National – Engineering Design</u></p> <p>Students are working on their R106 / R107 units of work.</p> <p>These consist of designing for a user and taking this through the whole design process. They will produce research, sketches and also create a model for their design.</p> <p>They will also work on creating their designs in 3D using software such as 2D design and Google Sketchup.</p> <p>Students will use resistant materials to make prototypes of their ideas .</p>	<p><u>OCR Cambridge National – Engineering Design</u></p> <p>Making</p> <p>Students document the manufacture process using a PowerPoint which provides evidence for their completion of the unit.</p> <p>Students are able to receive feedback on their design and make changes on their design based on this. Students also make choices on their material selection and learn how this ties in with designing products to a certain demographic.</p> <p>Students present their final concept and ensure it is complete. This then leads to U3, where students program their product with the use of LDR's to make their product 'smart'. Students at this point have a strong understanding of CAD / CAM.</p>	<p><u>OCR Cambridge National – Engineering Design</u></p> <p>Exam prep / finish coursework.</p> <p>During their final term, year 11 students will prepare for their exam. Students will take part in a mock, and also will do practice exam papers each lesson.</p> <p>R105- Final exam.</p>	<p>Students will manufacture their final prototypes and complete their coursework. S</p> <p>Students will gain the knowledge needed to ensure they are fully prepared for their exams at the end of year 11. This will take the form of revision sessions and other means.</p>
Assessment	<p>Students will receive verbal feedback on their work and guidance throughout. Students will get regular feedback on what units they are passing through constant moderation with TLM moderators.</p>	<p>Students will receive verbal feedback on their work and guidance throughout. Students will get regular feedback on what units they are passing through constant moderation with TLM moderators.</p>	<p>Students will receive verbal feedback on their work and guidance throughout. Students will get regular feedback on what units they are passing through constant moderation with TLM moderators.</p>	<p>Key Contact Name & Email</p> <p>whamblin@glebe.bromley.sch.uk 020 8777 4540</p>