

Autumn Term 1	Autumn Term 2	Spring Term 1	Spring Term 2	Summer Term 1	Summer Term 2
R40 Design, evaluation and modelling Externally set assignment	R40 Design, evaluation and modelling Externally set assignment	Unit R038 Principles of engineering design Revision	Unit R038 Principles of engineering design Revision	Unit R038 Principles of engineering design Revision and exam	
Assessment		Key Concepts/ Skills		Reading	
<p>Students will complete end of topic written assessments each half term.</p> <p>Students will also be assessed on their drawing and practical skills.</p> <p>Students will complete one externally set assignment this year</p>		<p>R038 Designing processes Designing requirements Communicating design outcomes Evaluating design ideas</p> <p>R040 Product evaluation Modelling a prototype</p>		<ul style="list-style-type: none"> - Project brief and specification - Contextual research pages (text + images) - Exam papers - Secondary research - Design work analysis/evaluation - Marks schemes - BUG the question 	
Enrichment		Careers		Useful resources and revision	
		<p>Mechanical Engineer, Product Design Engineer, Manufacturing Engineer, Automotive Engineer, Aerospace Engineer, Robotics Engineer, Industrial Engineer, CAD Designer / CAD Technician, Renewable Energy Engineer, Biomedical Engineer, Materials Engineer</p>		<ul style="list-style-type: none"> - Knowledge Organisers - Past papers - https://www.ocr.org.uk/qualifications/cambridge-nationals/engineering-design-level-1-2-i822/assessment/ 	