

Subject	Year	Term
WJEC Vocational Engineering Level 2	11	2
Topic		
Unit 2 NEA		
Content (Intent)		
Prior Learning – Unit 1 NEA		
<p>Unit 2 allows learners to explore how an engineered product is adapted and improved over time, and it offers learners the opportunity to apply their knowledge and understanding to adapt an existing component, element, or part of the engineering outcome that they produced for Unit 1.</p> <p>Unit 2 NEA is worth 20% of the final grade and in completing the task students will solve an engineering problem and create a design proposal using CAD.</p>		
Future Learning (Topic) – Exam preparation		
What Knowledge and Skills will be taught (Implementation)	How will your understanding be assessed & recorded (Impact)	
Unit 2 Students will learn to:- Understand function and meeting requirements Propose design solutions. Communicate an engineered design solution. Solve applied engineering problems	Assessment This is a formally assessed piece of work, with only generalised feedback being given after each deadline. No marks will be issued until the final mark is given. This is under JCQ guidelines. The pupils will have a copy of the assessment criteria and can self assess throughout.	
Unit 3 preparation Exam reparation through revision, low stakes tests and scaffolded questions.	Assessment Students will be assessed using a range of low stakes formative assessments. These assessments include: - <ul style="list-style-type: none"> • Quick recall starters • Vocabulary tests • Exam practice questions 	
How can parents help at home?		
You can support your child by discussing the coursework with them, allowing them to develop their portfolios at home and encouraging the students to have an aspirational attitude to their work.		
Helpful further reading/discussion (including Reading and Vocabulary Lists)		
Reading Onshape Learning Centre Technologystudent.com	Vocabulary Lists Engineering Drawings and Presentation of Designs: Analysis, work of others, Product Design Specification, Research, Conceptual Ideas, Development, Modelling, CAD, Exploded Diagram, Sectional Views, Orthographic Projection, Materials Selection, Manufacturing Specification, Final Design.	