Subject:	Engineering Design Level 1/2
Exam board:	OCR
Specification:	Cambridge Nationals - Engineering Design Level 1/Level 2 - J822
How students will be assessed:	**Unit R038: Principles of Engineering Design** • Written examination. • 1 hour 30 minutes. • Worth 40% of the overall qualification. • Assesses students' understanding of the engineering design process, design requirements, research, drawing techniques, materials, manufacturing processes, sustainability, health and safety, and evaluating designs. **Unit R039: Communicating Designs** • Coursework (set assignment). • Worth 30% of the overall qualification. • Students produce a range of engineering design drawings and communicate design ideas using industry-standard methods. **Unit R040: Design Evaluation and Modelling** • Coursework (set assignment). • Worth 30% of the overall qualification. • Students develop, model, test and evaluate engineering design solutions.
Recommended revision guide:	Level 1/Level 2 Cambridge National in Engineering Design (J822) Level 1/Level 2 Cambridge National in Engineering Design (J822): Second Edition: Amazon.co.uk: Adams, Jonathan, Valentine, Peter, Reynolds, Alex: 9781398350335: Books Cambridge National in Engineering Design Student Book with Digital Access (2 Years): Level 1/Level 2 Cambridge National in Engineering Design Student Book with Digital Access (2 Years): Level 1/Level 2: Amazon.co.uk: Stuart Peet: 9781009119252: Books Cambridge National in Engineering Design Revision Guide and Workbook with Digital Access (2 Years): Level 1/Level 2 Cambridge National in Engineering Design Revision Guide and Workbook with Digital Access (2 Years): Level 1/Level 2: Amazon.co.uk: Claire Reet: 9781009119290: Books
Other useful links:	BBC Bitesize- look at some Design Technology resources as they do not cover Engineering yet.
Period 6:	Thursday, Week A,
AP1 Novemb er	Full paper and Coursework Task 1
AP2 February	Full Paper and Coursework completed so far (Tasks 1, 2, 3, 5)
Summer 2027	Full paper