



Subject	Year	Term
BTEC Tech Engineering Level 2	10	2
Topic		
Component 1		
Content (Intent)		
Prior Learning - Component 1		
Component 1 will continue to run during this term		
Future Learning (Topic) - Component 1		
What Knowledge and Skills will be taught (Implementation)		How will your understanding be assessed & recorded (Impact)
Component 1. Learning Aim B: Explore Engineering skills through the design process. Students will design and develop a lamp for a specific clients needs and through the use of CAD, present their final design for review.		Component 1 will be internally assessed as each assignment and practical task is completed. Students will have their work marked, internally verified, and then be given 14 days to improve it.
Component 2 Learning Aim C: Plan the manufacture of and safely reproduce/inspect/test a given engineered component. They will learn how to write a production plan and evaluate it as it is used, how to keep a record of their making and how to inspect the final product for quality. Finally, they will learn how to evaluate their effectiveness and suggest improvements.		Component 2 will be internally assessed as each assignment and practical task is completed. Students will have their work marked, internally verified, and then be given 14 days to improve it.
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 Wikipedia – Types of Engineering organisations Technologystudent.com / equipment and processes Engineer to Win — Caroll Smith The Thing Explainer — Randall Munroe		Vocabulary Lists Engineers Blue, Scribes, Centre Punches, Engineers Squares, Precision, Accuracy, Tolerance,