



Subject	Year	Term
BTEC Tech Engineering Level 2	10	1
Topic		
Component 1		
Content (Intent)		
Prior Learning – KS3 D&T practical and theory		
During this term students will have to develop a range of practical skills and develop their knowledge and understanding of the Engineering World, its sectors and specialist organisations. This course is a continually assessed course and all Students will be developing their portfolios from the start for both internal and external assessment.		
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 A: Understand engineering sectors, products and organisations, and how they interrelate. Focusing on Sectors, what they are, how they operate and how they interrelate. Students will start to develop a portfolio evidencing their work in this area.		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 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.		
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. Please discuss different engineering careers with your child.		
Helpful further reading/discussion (including Reading and Vocabulary Lists)		
Reading BTEC Tech Award Engineering Student Guide. Model Engineer Magazine Wikipedia – Engineering Sectors and Engineering Organisations		Vocabulary Lists Commentary, primary and secondary research Engineering Sectors Chemical, Mechanical, Civil, Bio-Medical, Electronic, Aeronautical Engineering Global, Multi-National, Regional/Local Organisations, interconnectivity.