Term	Learning content/skills	Assessment Schedule*	Home Learning Support (How students can extend learning in addition to homework)	
Autumn 1	 Unit 2: Design & Make Project: Design and Communicate Analyse a brief and explain client's requirements, justifying key features. Analyse existing ideas 	Coursework (worth 60%), students given verbal feedback	Invest in an AQA engineering text book, which covers all topics throughout the course and has exam style questions to practise. ISBN: 978-1-4085-0412	
	Understand the properties and uses of different metals and be able to determine suitability for use in practical work			
Autumn 2	 Unit 2: Design & Make Project: Design and Communicate Generate a range of alternative design ideas in order to solve problem. Develop design ideas in to a workable solution Generate models and test ideas Using a client design brief to determine the function and requirements. Develop a Technical Specification Produce Engineering drawings to display detail of final designs. 	Coursework (worth 60%), students given verbal feedback	www.technologystudent.com has a wealth of exercises to support theory learning in Unit 1. Simply search the site for the topic and you can print the examples out at home. It has more topics which the students can use too, simply search the relevant topic and the information as well as any printable exercises can be used. These sheets are sometimes used for homework, so the students should be familiar with how to use the website.	
	 Unit 1: Materials, Technologies and Design Considerations Know different types of polymers, composites and 	End of Term Test		
	ceramicsKnow different ferrous, non-ferrous and alloy metals			

	Shaping and forming methods				
	Surface finishing				
Spring 1	Unit 2: Design & Make Project: Design and Communicate	Coursework (worth 60%), students given verbal feedback	Use 'Firefly' for revision and help:		
	Produce a production plan that details the stages of making		Subjects>D&T>Y11>Engineering		
	Follow a production using information obtained from drawings				
	 Select materials and independently use correct tools, processes and machines safely. 				
	 Undertake detailed and objective testing by comparing to technical specification 				
Spring 2	Unit 2: Design & Make Project: Design and Communicate		Controlled assessment is worth 60% of the students		
	Describe the impact of a wide range of technologies		final grade and therefore includes a lot of work, so		
	Describe how CNC operations could be used		it is essential they stay up to date with the work. Any missed lessons or deadlines must be followed		
			up, either in lunch times or after school. Sessions will be made available for all students (even if they have not missed work but want to stay on track) to attend as well as targeted intervention. Support them by allowing them to attend these sessions as regularly as possible.		
	Unit 2: Design & Make Project: Testing and Evaluate				
	 Demonstrate testing against design brief 				
	Respond to client feedback				
	Unit 1: Exam context released in March 2017, in which point this				
	will be discussed with the students and revised				
	Continuation with other Unit 1 topics				
Summer	Unit 1: Exam context released in March 2017, in which point this				
1	will be discussed with the students and revised				
	Revision of previous Unit 1 topics				
	Machining operations				
	Shaping materials				
	Joining materials				
	Impact of Modern Technologies				