



**Subject Product Design**

**Year 11**

**Curriculum Map  
2017 -2018**

<b>Week Commencing</b>	<b>Topic (including links to additional resources)</b>	<b>Assessment Window</b>
9/10/17	Complete CAT work from yr10. Develop an understanding of industrial processes and the development of designs through the use of customer feedback. This is done using personalised feedback and moderation from the exam board.	
16/10/17	Complete CAT work from yr10. Develop an understanding of industrial processes and the development of designs through the use of customer feedback. This is done using personalised feedback and moderation from the exam board.	
<b>October Half Term</b>		
30/10/17	Complete CAT work from yr10. Develop an understanding of industrial processes and the development of designs through the use of customer feedback. This is done using personalised feedback and moderation from the exam board.	AR1
6/11/17	Complete CAT work from yr10. Develop an understanding of industrial processes and the development of designs through the use of customer feedback. This is done using personalised feedback and moderation from the exam board.	AR1
13/11/17	Complete CAT work from yr10. Develop an understanding of industrial processes and the development of designs through the use of customer feedback. This is done using personalised feedback and moderation from the exam board.	
20/11/17	Complete CAT work from yr10. Develop an understanding of industrial processes and the development of designs through the use of customer feedback. This is done using personalised feedback and moderation from the exam board.	
27/11/17	Complete CAT work from yr10. Develop an understanding of industrial processes and the development of designs through the use of customer feedback. This is done using personalised feedback and moderation from the exam board.	
4/12/17	Complete CAT work from yr10. Develop an understanding of industrial processes and the development of designs through the use of customer feedback. This is done using personalised feedback and moderation from the exam board.	
11/12/17	Complete CAT work from yr10. Develop an understanding of industrial processes and the development of designs through the use of customer feedback. This is done using personalised feedback and moderation from the exam board.	
<b>Christmas Break</b>		

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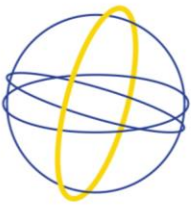
1/1/18	Develop an understanding of how to work out electronic current and resistor calculations. Students to be able to identify the correct calculation to use to work out what resistor needs to be used in a circuit.	
8/1/18	Application of current and resistor understanding through the use of an exam question and evaluations. Students to be able to identify the correct calculation to use to work out what resistor needs to be used in a circuit.	
15/1/18	Identify what CAD is used in industry and why. Ability to identify the key needs and uses of CAD.	AR2
22/1/18	Component understanding and identification of tasks relating to these components. Be able to understand how components function internally and the issues relating to that component.	AR2
29/1/18	Understanding of analogue and digital signals and what a computer does with these signals. Students are able to discuss clearly the process of analogue to digital conversion.	
5/2/18	Understanding of analogue and digital signals and what a computer does with these signals. Students are able to discuss clearly the process of analogue to digital conversion.	
12/2/18	Development of understanding of how design issues will be presented in the exam. Identify how to fully answer a design question in the exam.	
February Half Term		
26/2/18	Development of how design and manufacture companies could start up with the help of a range of funding methods. Students are able to discuss how a company may develop through a range of funding methods.	
5/3/18	Develop an understanding of the makeup of digital images. Students can clearly discuss the meaning of pixels and their need.	
12/3/18	Mathematics calculations needed for the exam. Students to practice the a number of mathematics calculations to work out current, weight, resistor use etc.	AR3
19/3/18	Problem solving and identification. Students are to be given a number of diagrams that are missing a number of things such as components or code to ensure that they are able to identify and suggest resolutions.	AR3
26/3/18	Revision and practice of previous exam questions. Literacy skills - read the question.	
Easter		

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16/4/18	Revision and practice of previous exam questions. Literacy skills - read the question.	
23/4/18	Revision and practice of previous exam questions. Literacy skills - read the question.	
30/4/18	Revision and practice of previous exam questions. Literacy skills - read the question.	
7/5/18	Revision and practice of previous exam questions. Literacy skills - read the question.	
14/5/18	Revision and practice of previous exam questions. Literacy skills - read the question.	
21/5/18	Revision and practice of previous exam questions. Literacy skills - read the question.	
May Half Term		
4/6/18	Revision and practice of previous exam questions. Literacy skills - read the question.	
11/6/18	Revision and practice of previous exam questions. Literacy skills - read the question.	
18/6/18	Revision and practice of previous exam questions. Literacy skills - read the question.	
25/6/18	Revision and practice of previous exam questions. Literacy skills - read the question.	
2/7/18	Revision and practice of previous exam questions. Literacy skills - read the question.	
9/7/18	Revision and practice of previous exam questions. Literacy skills - read the question.	
16/7/18	Revision and practice of previous exam questions. Literacy skills - read the question.	

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