

**Subject Product Design**

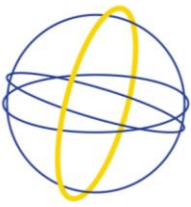
**Year 9**

**Curriculum Map  
2017 -2018**

Week Commencing	Topic (including links to additional resources)	Assessment Window
9/10/17	<b>Ideas. Students are to identify the key features of their designs and decide if it fits the brief.</b>	
16/10/17	<b>Final design. Students are to use a specific format (that is used around the world) to help others understand the design process.</b>	
<b>October Half Term</b>		
30/10/17	Making. Develop an understanding of industrial processes and the creation of aids such as jigs and formers.	AR1
6/11/17	Making. Develop an understanding of industrial processes and the creation of aids such as jigs and formers.	AR1
13/11/17	Making. Develop an understanding of industrial processes and the creation of aids such as jigs and formers.	
20/11/17	Evaluation. Develop a clear understanding of how to identify if a prototype is appropriate for the end user. Linking to the exam board criteria.	
27/11/17	Lego robotics, space challenge. Movement task, students are to follow the instructions given in the Lego booklet. They are required to build their robot and test it.	
4/12/17	Lego robotics, space challenge. Movement task, students are to follow the instructions given in the Lego booklet. They are required to build their robot and test it.	
11/12/17	Lego robotics, space challenge. Turns task, students are to follow the instructions given in the Lego booklet. They are required to build their robot and test it.	
<b>Christmas Break</b>		

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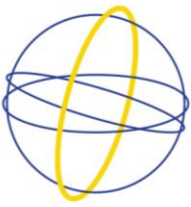




1/1/18	Lego robotics, space challenge. Turns task, students are to follow the instructions given in the Lego booklet. They are required to build their robot and test it.	
8/1/18	Lego robotics, space challenge. Sensors task, students are to follow the instructions given in the Lego booklet. They are required to build their robot and test it.	
15/1/18	Lego robotics, space challenge. Sensors task, students are to follow the instructions given in the Lego booklet. They are required to build their robot and test it.	AR2
22/1/18	Lego robotics, space challenge. Detect and react, students are to follow the instructions given in the Lego booklet as well as trialing tests and programs that they have created themselves. They are required to build their robot and test it.	AR2
29/1/18	Lego robotics, space challenge. Detect and react, students are to follow the instructions given in the Lego booklet as well as trialing tests and programs that they have created themselves. They are required to build their robot and test it.	
5/2/18	Lego robotics, space challenge. Detect and react, students are to follow the instructions given in the Lego booklet as well as trialing tests and programs that they have created themselves. They are required to build their robot and test it.	
12/2/18	Lego robotics, space challenge. Detect and react, students are to follow the instructions given in the Lego booklet as well as trialing tests and programs that they have created themselves. They are required to build their robot and test it.	
February Half Term		
26/2/18	Design strategy - the creation of an emergency drone canister. Accessing a number of strategies to develop a creative design.	
5/3/18	Drone canister Ideas. Students are to identify the key features of their designs and decide if it fits the brief.	
12/3/18	Drone canister Ideas. Students are to identify the key features of their designs and decide if it fits the brief.	
19/3/18	Drone canister modelling. Understand the need to create models that focus on the key features of a product and identify issues by failure.	
26/3/18	Drone canister modelling. Understand the need to create models that focus on the key features of a product and identify issues by failure.	

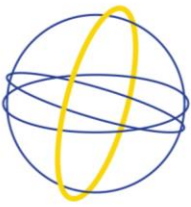
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Easter		
16/4/18	Final design. Students are to use a specific format (that is used around the world) to help others understand the design process.	
23/4/18	Final design. Students are to use a specific format (that is used around the world) to help others understand the design process.	AR3
30/4/18	Making. Develop an understanding of industrial processes and the creation of aids such as jigs and formers.	AR3
7/5/18	Making. Develop an understanding of industrial processes and the creation of aids such as jigs and formers.	
14/5/18	Making. Develop an understanding of industrial processes and the creation of aids such as jigs and formers.	
21/5/18	Making. Develop an understanding of industrial processes and the creation of aids such as jigs and formers.	
May Half Term		
4/6/18	Making. Develop an understanding of industrial processes and the creation of aids such as jigs and formers.	
11/6/18	Destruction testing of the prototype. Students are to use a specific range of tests using an actual drone, they will be required to test the product to destruction.	
18/6/18	Destruction testing of the prototype. Students are to use a specific range of tests using an actual drone, they will be required to test the product to destruction.	
25/6/18	Destruction testing of the prototype. Students are to use a specific range of tests using an actual drone, they will be required to test the product to destruction.	AR4
2/7/18	Evaluation. Develop a clear understanding of how to identify if a prototype is appropriate for the end user.	AR4

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9/7/18	Evaluation. Develop a clear understanding of how to identify if a prototype is appropriate for the end user.	
16/7/18	Evaluation. Develop a clear understanding of how to identify if a prototype is appropriate for the end user.	

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