

Design and Technology Summer Work 2021

Welcome to Design and Technology. I am looking forward to welcoming you to the department in September 2021. To give you a head start and introduction to the subject, I have created a range of tasks for you to complete. Please complete these electronically as either a PowerPoint presentation or Word document.

We will review these and go over your work in September. In the meantime, if you have any questions, please email me speacock@opgs.org.

Good luck and keep safe.

Kind regards

Mr S Peacock
Head of Design and Technology

Task	Expected Outcome	Work set (Completed by 1 st September 2021)
<p>Task 1 Studying the work of past designers.</p>	<p>Create a PowerPoint containing research information and images on the different design eras and Product Designers.</p>	<p>Studying the work of past designers.</p> <p>This work should be completed as a PowerPoint presentation.</p> <p>You should spend approximately 6 hours on this task.</p> <p>I expect one detailed slide per design era. You must complete the work for the following design eras:</p> <ul style="list-style-type: none"> • Arts and craft movement • Art Deco • Modernism, eg Bauhaus • Post modernism, eg Memphis. <p>Each slide should contain the following information:</p> <ul style="list-style-type: none"> • Example products manufactured in design era. • Common materials used. • Common manufacturing methods. • Style, shape and colour features common in design era. • What influences were there at the time which impacted on the design. • Your own opinion on what you like and don't like about design era. <p>Create a page of work on each of the following designers:</p> <ul style="list-style-type: none"> • Phillipe Starck • James Dyson • Margaret Calvert • Dieter Rams • Charles and Ray Eames • Marianne Brandt. <p>Find images of their designs. What are the key design features of the products they create? What do you like / dislike about them. How have they influenced the design of current products?</p>
<p>Email speacock@opgs.org if you need any help.</p>		
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<p>Task 2</p> <p>DT Sustainability Revision Task.</p>	<p>Create a PowerPoint containing research information and images on Sustainability in Design.</p>	<p>Sustainability Revision Task.</p> <p>This work should be completed as a PowerPoint presentation.</p> <p>You should spend approximately 2 hours on this task.</p> <p>Read through the Sustainability PowerPoint and make notes on the different topics. Find images of sustainable products to support your notes.</p> <p>Answer the exam questions and check your answers.</p> <p>Watch the YouTube videos through the links at the end of the PowerPoint to broaden your knowledge of the topic.</p>
<p>Task 3</p> <p>DT Smart Materials Revision Task.</p>	<p>Create a PowerPoint containing research information and images on Smart Materials.</p>	<p>Smart Materials Revision Task.</p> <p>This work should be completed as a PowerPoint presentation.</p> <p>You should spend approximately 2 hours on this task.</p> <p>Read through the Smart Materials PowerPoint and make notes on the different topics. Find images of Smart Materials products to support your notes.</p> <p>Answer the exam questions and check your answers.</p> <p>Watch the YouTube videos through the links at the end of the PowerPoint to broaden your knowledge of the topic.</p>
<p>Task 4</p> <p>DT Composite Materials Revision Task.</p>	<p>Create a PowerPoint containing research information and images on Composite Materials.</p>	<p>Composite Materials Revision Task.</p> <p>This work should be completed as a PowerPoint presentation.</p> <p>You should spend approximately 2 hours on this task.</p> <p>Read through the Composite Materials PowerPoint and make notes on the different topics. Find images of Composite Materials products to support your notes.</p> <p>Answer the exam questions and check your answers.</p> <p>Watch the YouTube videos through the links at the end of the PowerPoint to broaden your knowledge of the topic.</p>
<p>Task 5</p> <p>DT Papers and Boards Revision Task.</p>	<p>Create a PowerPoint containing research information and images on Papers and Boards.</p>	<p>Papers and Boards Revision Task.</p> <p>This work should be completed as a PowerPoint presentation.</p> <p>You should spend approximately 2 hours on this task.</p> <p>Read through the Papers and Boards PowerPoint and make notes on the different topics. Find images of Papers and Boards products to support your notes.</p> <p>Answer the exam questions and check your answers.</p> <p>Watch the YouTube videos through the links at the end of the PowerPoint to broaden your knowledge of the topic.</p>
		<p>Email speacock@opgs.org if you need any help.</p>