

	What will I learn?	How will I learn it?	Why is it important that I learn this?	Why am I learning this now?
Year 7 HT 1	<p>How to be safe in the workshop.</p> <p>You will start the manufacture of the Blockhead, using the marking gauge, tenon saw, chisel and mallet.</p>	<p>This half term you will be participating in a range of practical lessons. Your teacher will demonstrate how to use a range of tools and you will then have your opportunity to use them yourself.</p>	<p>It is a priority for every student in this school to fully understand how to be safe and keep others safe in a workshop environment.</p> <p>Using a range of tools will develop your confidence in the workshop and ensure that you can keep yourself and others safe.</p>	<p>Throughout your time at Poynton High school you will create a range of exciting and innovative products. In order to know how to design Products you must be able to understand how to make them and the steps and skills it takes to do this.</p>
Year 7 HT2	<p>You will learn a range of skills when making your block head. You will learn how to correctly mark out, how to use a hand and pillar drill.</p>	<p>During this half term you will continue to develop your understanding of manufacturing processes in the workshop, and your confidence of applying H&S.</p>	<p>It is important that when you are learning practical skills you continue to do this regularly, making sure you use tools repeatedly and with confidence.</p>	<p>You will continue to spend time in the Product Design workshops and it is important you are being exposed to using different machines, seeing different tools being used and developing your understanding of Health and Safety.</p>

Year 7 HT3	During this half term you will what a Design Brief is and how important it is in the design Process. You will also learn how to design in 3D using Isometric drawing techniques.	<p>You will write your own Design Brief outlining the purpose for designing and manufacturing a blockhead.</p> <p>You will then design your own personalised Blockhead in a 3D, isometric format.</p>	It is important that you understand some key stages of the design process so that you can better understand each key stage.	This will scaffold future tasks of understanding the design process and will mean that you can design in 3D making your concepts clear and easy to interpret to others.
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Year 7 HT4	You will decorate your blockhead to your design specification using a variety of materials.	Students enjoy making products they can take home and keep or use, or give to others as presents. Adding to the finish of the Blockhead will make you feel proud of your accomplishments and finish the product to a high standard.	Products should always be finished and it is our aim for products to leave Product Design as good as if they were to be marketed and sold.	This all leads in to our GCSE and A Level and progressing our abilities to finishing products to a high standard.
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Year 7 HT5	You will learn about the significance of logos and their design. You will also learn about Nets, packaging and Colour theory.	You will research, and look in to the work of large companies that have successfully designed their own logos, and eye-catching packaging. You will then have a chance to design your own Block Head packaging.	As a designer it is important to recognise that packaging is about protecting products along their journey and ensure they can be enjoyed when they get to the end user, but it is also important to know that packaging is about so much more than this, successful packaging sells products!	Having a good understanding of what happens in Industry and the outside world is super important to ensure that we become successful, innovative designers.
Year 7 HT6	You will learn how to successfully evaluate your Block head. You will also have the opportunity to learn about CAD/CAM and the impact this is having on	You will reflect on the process of designing and manufacturing your Block head, what went well, what would you change, would you do anything differently?	It is important to learn what has gone well and reflect on how this has happened. It's equally important to learn from what hasn't worked well and see if there are ways to improve this in the future.	To understand the entire design process helps us to become successful and knowledgeable designers.
	modern design and manufacture.	You will have the chance to design using our CAD (computer aided design) software in school and then look to manufacture a design using the laser cutter (computer aided manufacture).	In this modern world that we live in, it is important to understand how things are designed and manufactured in the real life.	

