



Product Design - CURRICULUM PLAN subject

YEAR	TRINITY 2	MICHAELMAS 1	MICHAELMAS 2	LENT 1	LENT 2	TRINITY 1
7	Pupils rotate in a 8 week rotation between the following areas. Art, FPN, Textiles and DT over the course of Year 7. Groups have one double lesson and one single lesson each week, pupils will be taught across two rooms (workshop and computer room).					
	Workshop			T7		
	<p><u>Group A</u> <u>Week 1 –</u></p> <ul style="list-style-type: none"> • Introduction to Design & Technology – What experience have you had at primary school? DATA video • Health & Safety in the workshop – general guide around the workshop / How to prepare for a practical? <p><u>HL</u> – Forms Quiz on Health & Safety</p>			<p><u>Group B</u> <u>Week 1 –</u></p> <ul style="list-style-type: none"> • Introduction to Design & Technology – What experience have you had at primary school? DATA video • What is a Product Analysis? Why do we do Product Analysis? Complete a product analysis on a Key phone stand. • What is a Mood board / Inspiration Board? Why do we have them? WAGOLL <p><u>HL</u> – Complete a Mood board based on the designer Charles Rennie Mackintosh</p>		
	<p><u>Group B</u> <u>Week 2 -</u></p> <ul style="list-style-type: none"> • Health & Safety in the workshop – general guide around the workshop / How to prepare for a practical? • Introduction to a range of hand tools – What are they called? What are they used for Health & Safety? (Tool passport) <p><u>HL</u> – Forms Quiz on Health & Safety</p>			<p><u>Group A</u> <u>Week 2 -</u></p> <ul style="list-style-type: none"> • What is a Product Analysis? Why do we do Product Analysis? Complete a product analysis on a Key phone stand. • What is a Mood board / Inspiration Board? Why do we have them? WAGOLL <p><u>HL</u> – Complete a Mood board based on the designer Charles Rennie Mackintosh</p>		
	<p><u>Group A</u> <u>Week 3 –</u></p> <ul style="list-style-type: none"> • How to mark out onto wood? Looking at working drawing – How to use a working drawing correctly. • Introduction to a range of hand tools – What are they called? What are they used for Health & Safety? (Tool passport) • Introduction to Production Log <p><u>HL</u> – Complete Tool passport</p>			<p><u>Group B</u> <u>Week 3 –</u></p> <ul style="list-style-type: none"> • Introduction to Techsoft 2D Design –Tool exercises (AFL progression sheet) • Introduction to design ideas – How to present them? How do we use a Mood board to inspire us for our design ideas? • Begin Ideas for design for surface detail – refer to simple patterns & what do we mean by pattern reprint <p><u>HL</u> – Complete Design Ideas x3 (Black & White) for key ring phone stand.</p>		
	<p><u>Group B</u> <u>Week 4 –</u></p> <ul style="list-style-type: none"> • How to mark out onto wood? Looking at working drawing – How to use a working drawing correctly. • <i>Recap on the range of hand tools</i> – What are they called? What are they used for Health & Safety? (Tool passport) • Introduction to Production Log <p><u>HL</u> – Complete Production log & Tool passport</p>			<p><u>Group A</u> <u>Week 4 –</u></p> <ul style="list-style-type: none"> • Introduction to Techsoft 2D Design –Tool exercises (AFL progression sheet) • Introduction to design ideas – How to present them? How do we use a Mood board to inspire us for our design ideas? • Begin Ideas for design for surface detail <p><u>HL</u> – Complete Design Ideas x3 (Black & White) for key ring phone stand</p>		



<p><u>Group A</u> <u>*Week 5 –</u></p> <ul style="list-style-type: none"> • Finish cutting out shape for Key ring stand. • Introduction to finishes – use of files & Sand paper – why is it important to have a high quality finish on a product? • Introduction to the Pillar drill – Health & Safety (Tool Passport) • Complete key ring stand. • Production Log <p><u>HL</u> – Complete Tool Passport & Production log</p>	<p><u>Group B</u> <u>Week 5 –</u></p> <ul style="list-style-type: none"> • Feedback on design Ideas – What is helpful feedback? What is not helpful feedback? Pupils complete Peer assessment on design ideas • What do we mean by Development? How could we use the feedback given? How could we develop our idea further? • Complete Final Idea for surface design – showing development from initial ideas to final. <p><u>HL</u> – Complete Final Idea for surface design.</p>
<p><u>Group B</u> <u>Week 6 –</u></p> <ul style="list-style-type: none"> • Finish cutting out shape for Key ring stand. • Introduction to finishes – use of files & Sand paper – why is it important to have a high quality finish on a product? • Introduction to the Pillar drill – Health & Safety (Tool Passport) • Complete key ring stand. • Production Log <p><u>HL</u> – Complete Tool Passport & Production log</p>	<p><u>Group A</u> <u>Week 6 –</u></p> <ul style="list-style-type: none"> • Feedback on design Ideas – What is helpful feedback? What is not helpful feedback? Pupils complete Peer assessment on design ideas • What do we mean by Development? How could we use the feedback given? How could we develop our idea further? • Complete Final Idea for surface design – showing development from initial ideas to final. <p><u>HL</u> – Complete Final Idea for surface design.</p>
<p><u>Group A</u> <u>Week 7 –</u></p> <ul style="list-style-type: none"> • Introduction to the Laser – How does it work? How can it be used? Health & Safety points to be considered – Complete Exam question as a group. • Complete Key ring stand – if needed • How to draw Isometric – use of thick & thin lines. Introduction to use of fine liner • Pupils complete Isometric exercise for key ring. <p><u>HL</u> - Complete Evaluation on skills in the workshop -</p>	<p><u>Group B</u> <u>Week 7 –</u></p> <ul style="list-style-type: none"> • Use of Techsoft Design to draw out final design for key fob. (AfL progression sheet) & how to save in work post box ready for lasing • Review & reflect on CAD/CAM (AfL exercise) <p><u>HL</u> – Complete Evaluation on skills in the workshop -</p>
<p><u>Group B</u> <u>Week 8 –</u></p> <ul style="list-style-type: none"> • Complete Key ring stand – if needed • How to draw Isometric – use of thick & thin lines. Introduction to use of fine liner • Pupils complete Isometric exercise for key ring 	<p><u>Group A</u> <u>Week 8 –</u></p> <ul style="list-style-type: none"> • Use of Techsoft Design to draw out final design for key fob. (AfL progression sheet) & how to save in work post box ready for lasing • Review & reflect on CAD/CAM (AfL exercise)