



Product Design - CURRICULUM PLAN subject

YEAR	TRINITY 2	MICHAELMAS 1	MICHAELMAS 2	LENT 1	LENT 2	TRINITY 1
9	Pupils rotate in a 9 week rotation between the following areas. Art, FPN, Textiles and DT over the course of Year 8. Groups have one double lesson each week, pupils will be taught across two rooms (workshop and computer room). <div style="display: flex; justify-content: space-between;"> Workshop T7 </div>					
	<u>Group A</u> <u>Week 1 –</u> <ul style="list-style-type: none"> Review of learning so far – Year 8 targets – What have you set this rotation to achieve? Introduction to 3D printing; this includes Health & Safety of the machines (Gatsby) Intro to Onshape (basic tools & functions / AfL on Onshape) Follow tutorial to create basic die HL – Create a Mood board on one of the following designers: David Adjaye / Yinka Ilori / Zaha Hadid / Karim Rashid.			<u>Group B</u> <u>Week 1 –</u> <ul style="list-style-type: none"> Review of learning so far – Year 8 targets – What have you set this rotation to achieve? Introduction to 3D printing; this includes Health & Safety of the machines (Gatsby) Recap on isometric drawing, including rendering, thick & thin lines Tutorial on how to draw a die – using the skills above Introduction to marker pens – basic exercises HL – Create a Mood board on one of the following designers: David Adjaye / Yinka Ilori / Zaha Hadid / Karim Rashid.		
	<u>Group B</u> <u>Week 2 -</u> <ul style="list-style-type: none"> Intro to Onshape (basic tools & functions/AfL on Onshape) Follow tutorial to create basic die Develop own die design – based on set criteria HL - Explain what the different symbols mean within the different types of plastics. Which plastics can be recycled? Which plastics can't be recycled?			<u>Group A</u> <u>Week 2 -</u> <ul style="list-style-type: none"> Review of learning so far – Year 8 targets – What have you set this rotation to achieve? Introduction to 3D printing; this includes Health & Safety of the machines (Gatsby) Recap on isometric drawing, including rendering, thick & thin lines Tutorial on how to draw a die – using the skills above Introduction to marker pens – basic exercises HL – Explain what the different symbols mean within the different types of plastics. Which plastics can be recycled? Which plastics can't be recycled?		
	<u>Group A</u> <u>Week 3 –</u> <ul style="list-style-type: none"> Develop own die design – based on set criteria, Review & reflect on CAD/CAM (AfL exercise) HL – Christian Value stewardship			<u>Group B</u> <u>Week 3 –</u> <ul style="list-style-type: none"> The impact of Plastics on the environment – watch video & discussion work around PLA plastics. Recap on one & two point perspective drawings Introduction to Book corner designs – based on chosen designer – mood board. How do you use a mood board to inspire ideas? How do you explain your design thinking? (annotation of ideas) Complete x 2 ideas for a book corner – remembering techniques for rendering / thick & thin lines etc. 		



		<p>HL – Complete one development idea from your x 2 Initial ideas for a book corner. Including an explored view on how the book corner is used.</p>
	<p>Group B Week 4 –</p> <ul style="list-style-type: none"> Develop own die design – based on set criteria, Review & reflect on CAD/CAM (AFL exercise) <p>HL – Christian Value stewardship</p>	<p>Group A Week 4 –</p> <ul style="list-style-type: none"> The impact of Plastics on the environment – watch video & discussion work around PLA plastics. Recap on one & two point perspective drawings Introduction to Book corner designs – based on chosen designer – mood board. How do you use a mood board to inspire ideas? How do you explain your design thinking? (annotation of ideas) Complete x 2 ideas for a book corner – remembering techniques for rendering / thick & thin lines etc. <p>HL – Complete one development idea from your x 2 Initial ideas for a book corner. Including an explored view on how the book corner is used.</p>
	<p>Group A Week 5 –</p> <ul style="list-style-type: none"> Introduction to Photoshop & What is the difference between Techsoft and Photoshop Complete Masking exercise. Draw up Final idea for Bookmark Corner. (Surface detail) Review & reflect on CAD/CAM (AFL exercise) <p>HL - Paper & Card fact file – What examples can you find at home? Can you label what they are?</p>	<p>Group B Week 5 –</p> <ul style="list-style-type: none"> Introduction to Smart materials (handling collection) & Modern materials How could you put a smart or Modern material into your book corner? Development of Book corner shape – modelling in card – Evaluating shape – does it work or not? What development needs to happen to the shape to make it work? X2 developments to be completed. Review of DIRT – (presentation skills, use of markers & annotation of ideas) <p>HL - Paper & Card fact file – What examples can you find at home? Can you label what they are?</p>
	<p>Group B Week 6 –</p> <ul style="list-style-type: none"> Introduction to Photoshop & What is the difference between Techsoft and Photoshop Complete Masking exercise. Draw up Final idea for Bookmark Corner. (Surface detail & Shape of corner) Review & reflect on CAD/CAM (AFL exercise) <p>HL - Paper & Card fact file – What finishes are used within Paper & Board?</p>	<p>Group A Week 6 –</p> <ul style="list-style-type: none"> Introduction to Smart materials (handling collection) & Modern materials How could you put a smart or Modern material into your book corner? Development of Book corner shape – modelling in card – Evaluating shape – does it work or not? What development needs to happen to the shape to make it work? X2 developments to be completed. Review of DIRT – (presentation skills, use of markers & annotation of ideas) <p>HL - Paper & Card fact file – What finishes are used within Paper & Board?</p>



<p><u>Group A</u> <u>Week 7 –</u></p> <ul style="list-style-type: none">• Complete Bookmark Corner with adaption of corners shapes based on modelling.• Print out onto card• Complete all DIRT work if unfinished• Review & reflect on CAD/CAM (AFL exercise) <p><u>HL</u> – Paper & Card fact file – Commercial processes – (offset lithography and die cutting)</p>	<p><u>Group B</u> <u>Week 7 –</u></p> <ul style="list-style-type: none">• Complete Bookmark Corner with adaption of corners shapes based on modelling.• Print out onto card• Complete all DIRT work if unfinished• Review & reflect on CAD/CAM (AFL exercise) <p><u>HL</u> – Paper & Card fact file – Commercial processes – (offset lithography and die cutting)</p>
<p><u>Week 8 –</u></p> <ul style="list-style-type: none">• Complete Bookmark Corner with adaption of corners shapes based on modelling.• Print out onto card.• Review & reflect on targets at the beginning of the project. Moving forward –• Careers within the range of the Creative Industries and Introduction to GCSE Design Technology	<p><u>Week 8 –</u></p> <ul style="list-style-type: none">• Complete Bookmark Corner with adaption of corners shapes based on modelling.• Print out onto card.• Review & reflect on targets at the beginning of the project. Moving forward –• Careers within the range of the Creative Industries and Introduction to GCSE Design Technology