

**Year 8 Rotation 1 Design Technology Learning Journey 2018-2019**

W	Date	Covering the <b>Key Constructs</b> – 2 x 9 week rotations	I	D&M	A&E	D&AK		Assessment
1	03.09.18	Analysing context, exploring designing brief profiling user					Acoustic Speaker	Pre-assess
2	10.09.18	Research and investigate. Dimensions for phone, how does sound travel? How to amplify sound without power? What is the best shape? Design ideas for the shape of their speaker						
3	17.09.18	RAP – peer assess design work. WWW. EBI... Develop final design idea.						Peer assessment <b>AO2 Generating design ideas</b>
4	24.09.18	Practical – Mark out and cut top and bottom pieces. Mark finger joint for the back of the speaker.						
5	01.10.18	Practical - Cut out finger joints and assemble piece together.						
6	08.10.18	ICT NEEDED CAD/CAM – Use 2D design to create their design for the top of their speaker. Upload to 365 and laser cut on to veneer.						Teacher assessment <b>AO2 Make prototypes that are fit for purpose</b>
7	15.10.18	RAP practical work. Making diary of the practical work. Theory of types of woods and veneers.						
8	29.10.18	Different finishes and the importance of finishes. Practical – Complete all practical work. Veneer on to the top of the speaker. Sand and apply finish.						
9	05.10.18	RAP and finish off any practical Evaluation and testing – Test speaker. Are they fit for purpose?						Teacher assessment <b>AO3 Analyse and Evaluate</b>
10	12.11.18	Client feedback. List modifications to make it a marketable product.						

1	04.02.19	Discuss Brief and Specification for speaker bag. Demonstration on how to mark and cut fabric. Quality control – Measurements of speaker, ensure the bag is fit for purpose.					Speaker bag / construction frame.	
2	11.02.19	Practical – Students to pin and tack bag. Understand how to sew and pleat.						
3	25.02.19	Understand how to pipe fabric. Make pull string top for their bag.						Peer assessment <b>AO2 Realising design ideas</b>
4	04.03.19	Evaluate and test product against their specification.						
5	11.03.19	RAP speaker bag Introduction to construction – What jobs are within construction industry? What tasks would a carpenter do? Introduction to construction project (Build a 150x150 frame.)						Teacher assessment <b>AO1 Identify and Investigate</b>
6	18.03.19	Year 8 EOYE Demonstration on a screwed lap joint.						
7	25.03.19	Practical – Assemble frame – How to use carpentry tools (plane central sections) assemble together						
8	01.04.19	Orthographic drawing techniques – Draw their construction frame in orthographic form with dimensions and annotate with construction notes.						Teacher assessment <b>AO2 Developing design ideas</b>
9	22.04.19	RAP EOYE Feedback, WWW, EBI						

**Year 8 Rotation 2 Design Technology Learning Journey 2018-2019**

W	Date	Covering the <b>Key Concepts</b> – 2 x 9 week rotations	I	D&M	A&E	D&AK		Assessment
1	19.11.18	Analysing context, exploring designing brief profiling user					Acoustic Speaker	Pre-assess
2	26.11.18	Research and investigate. Dimensions for phone, how does sound travel? How to amplify sound without power? What is the best shape?						
3	03.12.18	Design ideas for the shape of their speaker						
4	10.12.18	RAP – peer assess design work. WWW. EBI... Develop final design idea.						Peer assessment <b>AO2 Generating design ideas</b>
5	17.12.18	Practical – Mark out and cut top and bottom pieces. Mark finger joint for the back of the speaker.						
6	07.01.19	Practical - Cut out finger joints and assemble piece together.						
7	14.01.19	ICT NEEDED CAD/CAM – Use 2D design to create their design for the top of their speaker. Upload to 365 and laser cut on to veneer.						Teacher assessment <b>AO2 Make prototypes that are fit for purpose</b>
8	21.01.19	RAP practical work. Making diary of the practical work. Theory of types of woods and veneers.						
9	28.01.19	Different finishes and the importance of finishes. Practical – Complete all practical work. Veneer on to the top of the speaker. Sand and apply finish.						

1	29.04.19	Evaluation and testing – Test speaker. Are they fit for purpose? Client feedback. List modifications to make it a marketable product.						Teacher assessment <b>AO3 Analyse and Evaluate</b>
2	06.05.19	Discuss Brief and Specification for speaker bag. Demonstration on how to mark and cut fabric. Quality control – Measurements of speaker, ensure the bag is fit for purpose.						
3	13.05.19	Practical – Students to pin and tack bag. Understand how to sew and pleat.						
4	20.05.19	Understand how to pipe fabric. Make pull string top for their bag.						Peer assessment <b>AO2 Realising design ideas</b>
5	03.06.19	Evaluate and test product against their specification.						
6	10.06.19	Year 8 EOYE RAP Speaker bag						
7	17.06.19	Introduction to construction – What jobs are within construction industry? What tasks would a carpenter do? Introduction to construction project (Build a 150x150 frame.) Demonstration on a screwed lap joint.						Teacher assessment <b>AO1 Identify and Investigate</b>
8	24.06.19	Practical – Assemble frame – How to use carpentry tools (plane central sections) assemble together						
9	01.07.19	Orthographic drawing techniques – Draw their construction frame in orthographic form with dimensions and annotate with construction notes.						Teacher assessment <b>AO2 Developing design ideas</b>
10	08.07.19	RAP EOYE Feedback, WWW, EBI						

Data sticker

AO1	Identify, Investigate and outline design possibilities to address needs and wants.
AO2	Design and Make Prototypes that are fit for purpose.
AO3	Analyse and evaluate: <ul style="list-style-type: none"> <li>• Designer decisions and outcomes, including for prototypes made by yourself and others</li> <li>• Wider issues in design and technology</li> </ul>
AO4	Demonstrate and apply knowledge and understanding of: <ul style="list-style-type: none"> <li>• technical principles</li> </ul>

Identify and investigate	Design and Make	Analyse and Evaluate	Demonstrate and apply Knowledge
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50% NEA	50% Exam
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Date teacher	ASSESSMENT	Grade	B4L (optional)	Target(s) to make progress/Assessment feedback
	Peer assessment <b>AO2</b> <b>Generating design ideas</b>			
	Teacher assessment <b>AO2</b> <b>Make prototypes that are fit for purpose</b>			
	Teacher assessment <b>AO3</b> <b>Analyse and Evaluate</b>			
	Peer assessment <b>AO2</b> <b>Realising design ideas</b>			
	Teacher assessment <b>AO1</b> <b>Identify and Investigate</b>			
	Teacher assessment <b>AO2</b> <b>Developing design ideas</b>			