

DT Resistant Materials Vision summary/ Curriculum intent:

Week	Unit	Year 7	Assessment	Homework	Unit	Year 8	Assessment	Homework
1		Target setting, Introduction to topic, Workshop safety rules, Generating ideas for a safety theme. Generation of first design. (key aspect Big and Bold)	Verbal Feedback on design idea			Target setting, Introduction to topic, Generating theme for garden ornament. Production of initial design idea	Verbal Feedback on design ideas	
2		Generation of second design idea. Key aspect 'Same theme but very different' Evaluation of second design. Peer/Self evaluation of design ideas.	Verbal Feedback on design ideas PA/SA of designs			Generation and development of design ideas	Verbal Feedback on design ideas	
3		Production of wooden box. Completion of design ideas/ Final Design	FAR marking of design ideas			Development of design ideas. Card modelling.	Verbal Feedback on design ideas. FAR marking of design ideas	
4		Responding to 'actions'. Sanding and staining box. Manufacture of decoupage lid design . Drilling PCBs.	Verbal Feedback on practical work	Electronics & Modern Life ILT		Card Modelling and evaluation	Verbal Feedback on models	Recycling and Sustainability ILT
5		Manufacture of decoupage lid design . Drilling PCBs. Production of MDF Shape.	Verbal Feedback on practical work	Electronics & Modern Life ILT		Card Modelling. Peer and Self assessment of designs	Verbal Feedback on models PA/SA of designs	Recycling and Sustainability ILT
6		Manufacture of decoupage lid design . Drilling PCBs. Production of MDF Shape. Extension; Produce of plan of making.	Verbal Feedback on practical work	Electronics & Modern Life ILT		Final Design. Practical work -Metal Work (cutting)		Recycling and Sustainability ILT
7		Introduction to circuits and soldering.	Electronics & Modern Life ILT	Electronics & Modern Life ILT		Practical work -Metal Work (Cutting, drilling, brazing)	Recycling and Sustainability ILT	Recycling and Sustainability ILT
8		Circuit Production - soldering	Verbal Feedback on practical work			CAD 2D Design of plastic parts.	Verbal Feedback on CAD designs	
9		Circuit Production - soldering - Production of loop and shape.				CAD 2D Design of plastic parts.	Verbal Feedback on CAD designs	
10		Circuit Production & game assembly				Practical work -Metal Work (drilling,brazing,cleaning for painting)	Further interim assessment of book work	
11		Game assembly	Further interim assessment of book work	Completion of unfinished work.		Practical work -Plastic drilling, gluing, bending		Completion of unfinished work.
12		Game assembly, Final Evaluation,	Final work submission. Overall assessment FAR Marking			Final Assembly and Final Evaluation	Final work submission. Overall assessment FAR Marking	