

Resistant Materials/ Product Design

Term							
1	2	3	4	5	6	Extras	

Key Stage 4

Year 10	Design and make project Birdhouse: Research and designing	Christmas Fair project: Design and make in teams	Christmas	Design and make project storage box: Research, designing and CAD	Project cont'd Commence preparation sheet for year 10 exam.	Easter	Controlled assessment. Research element
Year 11	Controlled assessment - Design ideas , modelling and CAD			Controlled assessment- Manufacture and Evaluation	Preparation sheet & revision		Revision

Key Stage 5

Year 12	3.1.1 Materials and their applications 3.1.2 Performance characteristics of materials	3.1.4 Forming, redistribution and addition processes 3.1.5 The use of finishes	Christmas	3.1.6 Modern industrial and commercial practice Exam techniques/ Past exam papers Mock examination	3.1.7 Digital design and manufacture 3.2.3 How technology and cultural changes can impact on the work of designers	Easter	3.1.8 The requirements for product design and development 3.2.6 Selecting appropriate tools, equipment and processes 3.2.7 Accuracy in design and manufacture	3.1.9 Health and safety 3.1.11 Design for manufacturing, maintenance, repair and disposal
	Mini project - Learning Through Designing and Making	Investigation and Clarification of problems		Investigation and Clarification of problems	Development of a Design Proposal		Evaluation/ Testing	NEA Design and Making Contexts and Objectives
Year 13	3.1.12 Feasibility studies 3.1.13 Enterprise and marketing in the development of products 3.1.14 Design communication	3.2.9 Design for manufacture and project management		3.2.3 How technology and cultural changes can impact on the work of designers 3.2.8 Responsible design Mock examination: paper 1 & 2	3.2.10 National and international standards in product design Revision	Easter	Revision	
	NEA Design and Making Practice	Plan of Action and Clarification of Problem Development of Design Proposal		Manufacturing/ Modelling	Conclusions, Evaluations and Recommendations		Exam Techniques/ past papers	