

2009 – 10 Scheme of Work GCSE RESISTANT MATERIALS

Term	Classwork	Assessment
YR 10	Activities based on designing & making products that are manufactured using wood, metal, plastic etc.	Unit 1 60% Creative Design & Making Internally & Externally assessed controlled coursework Unit 2 40% Knowledge & Understanding External Examination
Summer term (4 weeks)	INDUCTION TASKS Introduction to GCSE Resistant Materials Develop basic skills and knowledge	Self / Peer assessment of completed work
Autumn term (Sept) Approx 4 weeks	Continue with Induction tasks Induction tasks to include FPT's in the following: <ul style="list-style-type: none"> • Use of CAD/CAM including ProDeskTop • Wood • Plastic 	FPT's assessed using both peer and self assessment.
Autumn term (Oct – Nov) 6 weeks	INVESTIGATION TASKS This unit introduces students to effective research techniques. The unit will focus on: <ul style="list-style-type: none"> • Specification criteria • Metals • Plastics/Polymers • Scale of production • Materials processing • Minimising waste 	AfL Investigation piece set.
Autumn term (Nov - Dec) 4 weeks approx	UNIT 1 - DESIGN TASKS This unit introduces students to the full design process. This unit will focus on: <ul style="list-style-type: none"> • Specification criteria • Design skills – including initial ideas, development and final design • Application of knowledge and understanding • Health and safety 	GCSE coursework. Assessed to exam board standard. CONTROLLED ASSESSMENT – ALL WORK TO BE COMPLETED IN CLASS. Coursework can not be taken home, except for some initial research activities. Coursework will be assessed at regular intervals. Deadlines TBC. Parents will receive a letter to inform of deadlines. Mark is initially marked by the subject teacher and then moderated by the exam board.
Spring term (Jan – Feb) Approx 6 weeks	Continue with design tasks – as above	
Spring term (Feb – Apr) Approx 6 weeks	UNIT 1 - MAKING TASKS This unit introduces students to the full making process. This unit will focus on: <ul style="list-style-type: none"> • Planning • Wood • CAD/CAM • Health and safety • Quality of manufacture • Testing and evaluation 	GCSE coursework. Assessed to exam board standard. CONTROLLED ASSESSMENT – ALL WORK TO BE COMPLETED IN CLASS. Coursework can not be taken home, except for some initial research activities. Coursework will be assessed at regular intervals. Deadlines TBC. Parents will receive a letter to inform of deadlines. Mark is initially marked by the subject teacher and then moderated by the exam board
Summer term (April – May) Approx 4 weeks	Continue with making tasks – as above	
Summer term (May – July) Approx 6 weeks	UNIT 2 - EXAM REVISION This unit will recap previous units and prepare students to take the UNIT 2 exam.	
Summer term (July) 2 weeks	WORK RELATED LEARNING Students complete two weeks of work experience	
YR 11		
Autumn term (Sept – Oct) Approx 7 weeks	UNIT 1 - DESIGN TASKS This unit will focus on: <ul style="list-style-type: none"> • Specification criteria • Design skills – including initial ideas, development and final design • Application of knowledge and understanding • Health and safety 	GCSE coursework. Assessed to exam board standard. CONTROLLED ASSESSMENT – ALL WORK TO BE COMPLETED IN CLASS. Coursework can not be taken home, except for some initial research activities. Coursework will be assessed at regular intervals. Deadlines TBC. Parents will receive a letter to inform of deadlines. Mark is initially marked by the subject teacher and then moderated by the exam board
Autumn term (Oct – Dec) Approx 7 weeks	UNIT 1 – DESIGN TASKS - continued	
Spring term (Jan – Feb) Approx 6 weeks	UNIT 1 - MAKING TASKS This unit will focus on: <ul style="list-style-type: none"> • Planning • Wood • CAD/CAM • Health and safety • Quality of manufacture • Testing and evaluation 	GCSE coursework. Assessed to exam board standard. CONTROLLED ASSESSMENT – ALL WORK TO BE COMPLETED IN CLASS. Coursework can not be taken home, except for some initial research activities. Coursework will be assessed at regular intervals. Deadlines TBC. Parents will receive a letter to inform of deadlines. Mark is initially marked by the subject teacher and then moderated by the exam board
Spring term (Feb – Apr) Approx 6 weeks	UNIT 1 – MAKING TASKS - continued	
Summer term (April – June)	UNIT 2 – EXAM REVISION – FOR RESIT IF NEEDED	