



Verulam School: Key Stage 4 CURRICULUM INFORMATION

Department: Design & Technology – Resistant Materials
Subject Leader: Nicholas Phillips

Subject Vision: Across all Key stages (except food KS5) in Design & Technology and Food, we actively engage students to plan, think, solve creatively, and evaluate iteratively. Our students are self-motivated and confident learners; able and ready to take on current and future technological challenges. Vital in critically understanding today's ever-changing global world; we aim to create a growth mindset in students who will be ready and willing to engage in being able to have the knowledge, thinking skills and ability to innovate with new technologies.

YEAR 10 Resistant Materials						
Term	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Topic/Unit Title	M and M Sweet dispenser project Introduction to theory / exam unit – Rationale Theory runs alongside practical lessons in bitesize chunks – focusing on Core Technical Principles		Completion of M and M Sweet dispenser project Wooden puzzle – Focusing on practical skills, K & U of materials and processes De Stijl clocks (design movements) Theory runs alongside practical lessons in bitesize chunks – focusing on Core Technical Principles		Completion of De Stijl clocks NEA communication skills Theory: Specialist Technical principles	Commence NEA (1 st June) – Research and Design opportunities Theory relating to end of year exam, revision notes and folder
YEAR 11 Resistant Materials						
Term	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Topic/Unit Title	NEA – Brief, specification, design ideas Theory relating to GCSE exam, revision notes and folder	NEA – design ideas and development Trial exam 1: Exam preparation	NEA – development, planning and making and evaluating Trial exam 2: Exam preparation		Theory/revision – relating to GCSE Exam.	