

YEAR 10		Description	Levels covered	Skills & content covered
RESISTANT MATERIALS				
AUTUMN 1	controlled assessment - research	analysing previous products and identifying users		analysing products, ACCESS FM
AUTUMN 2	controlled assessment - design	designing and modeling product within the design criteria		annoation, modeling, 3D CAD modeling, sketching, isometric
SPRING 1	controlled assessment -making	using hand tools and machinery students make and finish product to high standard		practical skills- machinery, CAM hand tools, using materials and finishes
SPRING 2				
SUMMER 1	controlled assessment - evaluation	testing and evaluating product against spec and third party		mechanical tests , 3rd party tests , testing against specification
SUMMER 2	revision andmock exam	revision of subject knowledge		materials: Metals, timber, plastics, composites, smart and nanomaterials Components Adhesives and Applied finishes