

YEAR 9		Description	Levels covered	Skills & content covered	Skills & content revisited
RESISTANT MATERIALS					
AUTUMN 1 & 2	woodwork - pine box	learn how to use new machines and tools by constructing a box		recognise the working characteristics of the common forms of wood; know the difference between hardwoods and softwoods, between natural timber and manufactured boards.	10.3 and 10.4 making section controlled assessment
SPRING 1 & 2	plastics - clock	learn drawing techniques new machinery and tools to design and make a clock		recognise the working characteristics of common forms of plastics; understand the difference between thermoplastics and thermosetting plastics and how this affects the way they are used;	10.2 design section controlled assessment
SUMMER 1 & 2	metalwork- candle stick	learn practical machine work skills, learn how to test and evaluate product		recognise the working characteristics of the common forms of metals; understand the differences between ferrous and non-ferrous metals and how they are used; know that the properties of metals can be changed by heat treatments; know that metals can be combined to form alloys	10.5 evaluation section