

		Autumn term		Spring term		Summer term	
		1	2	1	2	1	2
Year 9	Year 9	Steel Tea Light Candle Stick Mild Steel Introduction to course LO1 Understand engineering disciplines LO3 Understand how to read engineering drawings LO5 Understand engineering tools, equipment, and machines		Water Wheel Concrete, Steel rod, Acrylic, Motor LO2 Understand how science and mathematics is applied in engineering LO3 Understand how to read engineering drawings LO5 Understand engineering tools, equipment, and machines		Kinetic Wind Ornament Aluminium Sheet, MDF, Steel rod LO4 Understand the properties and characteristics of engineering materials and know why specific materials are selected for engineering applications LO3 Understand how to read engineering drawings LO5 Understand engineering tools, equipment, and machines	
	Year 10	Desk Lamp Plywood, Concrete, Steel, Acrylic, LED Introduction to course LO1 Understand engineering disciplines LO4 Understand the properties and characteristics of engineering materials and know why specific materials are selected for engineering applications LO3 Understand how to read engineering drawings LO5 Understand engineering tools, equipment, and machines		Sweet Dispenser Pine LO2 Understand how science and mathematics is applied in engineering LO3 Understand how to read engineering drawings LO5 Understand engineering tools, equipment, and machines		Robot Arm Plywood, Pneumatics LO1 Understand engineering disciplines LO2 Understand how science and mathematics is applied in engineering LO3 Understand how to read engineering drawings LO4 Understand the properties and characteristics of engineering materials and know why specific materials are selected for engineering applications LO5 Understand engineering tools, equipment, and machines EXAM	
	Year 11	Trial Synoptic Project Crane Plywood LO1 Produce hand drawn engineering drawings LO2 Produce Computer-Aided Design (CAD) engineering drawings LO3 Demonstrate production planning techniques LO4 Demonstrate processing skills and techniques applied to materials for a manufacturing task		Assessed Synoptic Project TBC LO1 Produce hand drawn engineering drawings LO2 Produce Computer-Aided Design (CAD) engineering drawings LO3 Demonstrate production planning techniques LO4 Demonstrate processing skills and techniques applied to materials for a manufacturing task		Assessed Synoptic Project TBC LO1 Produce hand drawn engineering drawings LO2 Produce Computer-Aided Design (CAD) engineering drawings LO3 Demonstrate production planning techniques LO4 Demonstrate processing skills and techniques applied to materials for a manufacturing task	