

	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Yr7	Wooden toy project Learning about: Workshop safety, type of motion, woodworking tools and machinery, types of wood	Wooden toy project Learning about: Workshop safety, type of motion, woodworking tools and machinery, types of wood	Wooden toy project Learning about: Workshop safety, type of motion, woodworking tools and machinery, types of wood	Food hygiene, food safety, use of cooking equipment, safe storage of food, basic skills in food (cutting, weighing, etc.) Tasting of different food types, nutrition. Basic cooking	Food hygiene, food safety, use of cooking equipment, safe storage of food, basic skills in food (cutting, weighing, etc.) Tasting of different food types, nutrition. Basic cooking	Food hygiene, food safety, use of cooking equipment, safe storage of food, basic skills in food (cutting, weighing, etc.) Tasting of different food types, nutrition. Basic cooking
Yr8	Metal Stick Figure project. Learning about types of metals, metal manufacturing techniques, metal working tools and equipment, how to join metals using brazing, safety using heat treatment area.	Metal Stick Figure project. Learning about types of metals, metal manufacturing techniques, metal working tools and equipment, how to join metals using brazing, safety using heat treatment area.	Metal Stick Figure project. Learning about types of metals, metal manufacturing techniques, metal working tools and equipment, how to join metals using brazing, safety using heat treatment area.	Food Hygiene and safety. Nutrition, more advanced cooking techniques. E.g. simmering, whisking, gelatinisation. Practical cooking, use of sensory analysis techniques	Food Hygiene and safety. Nutrition, more advanced cooking techniques. E.g. simmering, whisking, gelatinisation. Practical cooking, use of sensory analysis techniques	Food Hygiene and safety. Nutrition, more advanced cooking techniques. E.g. simmering, whisking, gelatinisation. Practical cooking, use of sensory analysis techniques
Yr9	Mobile Phone Stand project. Design and make a mobile phone stand. Focus on design process, use of research, annotation of drawings, rendering of designs, use of Computer Aided Design (2D and 3D), laser cutting and 3D printing.	Mobile Phone Stand project. Design and make a mobile phone stand. Focus on design process, use of research, annotation of drawings, rendering of designs, use of Computer Aided Design (2D and 3D), laser cutting and 3D printing.	Mobile Phone Stand project. Design and make a mobile phone stand. Focus on design process, use of research, annotation of drawings, rendering of designs, use of Computer Aided Design (2D and 3D), laser cutting and 3D printing.	Food, Functions of ingredients (food science), more advanced cooking methods, food spoilage (causes and prevention), contamination of food.	Food, Functions of ingredients (food science), more advanced cooking methods, food spoilage (causes and prevention), contamination of food.	Food, Functions of ingredients (food science), more advanced cooking methods, food spoilage (causes and prevention), contamination of food.
Yr10	Intro to OCR Engineering Design Unit R105 Materials and Processes	Unit R107 Designing to meet a need Unit R105 Materials and Processes	Complete unit R107 Unit R105 Materials and Processes	Unit R106 Investigation of a product Unit R105 Materials and Processes	Complete unit R106 Unit R105 Materials and Processes	Start Unit R108 Production of a prototype Unit R105 Materials and Processes R105 mock exam
Yr11	Complete unit R108 Revision for R105	Improve R107 ready for re-submission Revision for R105, Mock Exam	R105 Exam 1 st attempt (January)	Improve R106 ready for re-submission Revision for R105 Exam	Improve R108 ready for re-submission Revision for R105 Exam	R105 Exam 2 nd attempt (June) Re-submit coursework units