

TECHNOLOGY



ALDER
Community High School

YEAR 9 –

THIS IS TAUGHT AS A CAROUSEL AND STUDENTS WILL STUDY DESIGN, FOOD AND TEXTILES TECHNOLOGY FOR A TERM EACH

DESIGN 1	Design Ideas	
	<ul style="list-style-type: none">• To know what anthropometrics, ergonomics and aesthetics mean• To know that design development plays a crucial role in the final outcome• To know how to work safely within a workshop to prevent hazards and injury• To know how to follow the iterative design process and present high quality design ideas• To know how to develop design ideas through clay and foam modelling• To know how to create an orthographic drawing accurately	Key Vocabulary Ergonomics Anthropometrics Iteration Innovation
DESIGN 2	Empirical Modelling (Clay and Foam) and final timber model practical sessions	
	<ul style="list-style-type: none">• To know that anthropometrics and ergonomics has an impact on the potential user• To know how to use tools and equipment safely and independently• To know how to behave in a workshop and identify hazards• To know how to use the hot wire cutter effectively• To know how to adapt and change the outcome according to feedback	Key Vocabulary Ergonomics Anthropometrics Iteration Innovation



FOOD 1	Nutrition	
	<ul style="list-style-type: none">• To know what healthy eating looks like• To know what a Micronutrient is• To know what a Macronutrient is• To know the functions of nutrients within the body• To know what nutritional deficiencies are and how to prevent them• To know the medical conditions that can be linked to a poor diet• To know how primary principals of nutrition can affect our diet both positively and negatively.• To know how to prevent deficiencies within the diet• To know how to prevent deficiencies within the diet	Key Vocabulary Excess Deficiency Allergy Intolerance Function Nutrition Complimentary Absorption Kwashiorkor

FOOD 2	Menu planning	
	<ul style="list-style-type: none">• To know what a 'brief' is• To know the steps of analysing a brief successfully• To know why research plays a role in menu planning• To know what menu planning is• To know the skills needed to successfully execute a dish• To know how to research, plan, execute and evaluate a range of dishes based on a specific brief.• To know how to create a dish which is nutritionally balanced	Key Vocabulary Analyse Evaluate



TEXTILES 1	Functions of materials within textiles	
	<ul style="list-style-type: none">• To know what natural and synthetic fabrics are• To know the sources and structures of fibres• To know what hand embroidery is• To know ways to identify hazards in the textiles room• To know why we must correctly use different pieces of equipment• To know how to identify different fabrics by their properties• To know how to create a variety of hand stitches• To know how to work safely within a textiles room to prevent hazards	Key Vocabulary Fibres Fabric

TEXTILES 2	Hand embroidery	
	<ul style="list-style-type: none">• To know what hand embroidery is• To know what applique is• To know what a final design plan is• To know how to create a variety of hand stitches• To know how to apply knowledge of hand embroidery into a final design• To know how to create applique	Key Vocabulary Hand Embroidery Applique