

TECHNOLOGY



ALDER
Community High School

YEAR 9 –

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

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 Function 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 a design brief is• To know the definition of identity• To know what elements make up your own identity• To know what a target audience is• To know what a mind map is• To know what a mood board is• To know the technique of Batik• To know what equipment is needed for Batik• To know the steps to create the technique of Batik• To know what a sample is• To know what heat transfer ink is• To know the technique of heat transfer• To know the steps to create a heat transfer sample• To know what a heat press is• To know what hand embroidery is• To know what decorative embroidery is• To know the hand embroidery techniques of running stitch, cross stitch, backstitch and French Knot• To know what a final design plan is• To know what a garment is	Key Vocabulary Identity Design Brief Batik Heat Transfer



TEXTILES 2	Identity	
	<ul style="list-style-type: none">• To know what applique is• To know what hand embroidery stitches to use in applique• To know what equipment to use to create a pocket• To know what a completed apron includes• To know what techniques to use in order to complete a design• To know what an evaluation is• To know what a good evaluation looks like	Key Vocabulary Evaluation Techniques Analysis