

Design & Technology Curriculum Maps 2020-2021

Key Stage 3

Year	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
7	<p>Letters of the Lighthouse Design</p> <ul style="list-style-type: none"> Layout Typography <p>Make</p> <ul style="list-style-type: none"> 3D card modelling Nets Knife Skills <p>Knowledge</p> <ul style="list-style-type: none"> Nets Weighing/Measuring Packaging 	<p>Video Game Design</p> <ul style="list-style-type: none"> 2-Point Perspective Isometric Drawing Sketching <p>Make</p> <ul style="list-style-type: none"> Detailed Drawing <p>Knowledge</p> <ul style="list-style-type: none"> Paper modelling The work of others Prototype development 	<p>Pop-up Card Design</p> <ul style="list-style-type: none"> Concept Drawing/Sketching <p>Make</p> <ul style="list-style-type: none"> 3D card modelling <p>Knowledge</p> <ul style="list-style-type: none"> Ecological and social footprint Briefs & Specifications 	<p>Typography Design</p> <ul style="list-style-type: none"> Sketching Annotation <p>Make</p> <p>N/A</p> <p>Knowledge</p> <ul style="list-style-type: none"> Computer-aided Manufacture Computer-aided Design 	<p>Personal Airline Theme Design</p> <ul style="list-style-type: none"> Sketching <p>Make</p> <ul style="list-style-type: none"> 3D card modelling <p>Knowledge</p> <ul style="list-style-type: none"> Materials and their working properties Measuring Shapes Reading data 	<p>Healthy Eating Challenge Design</p> <ul style="list-style-type: none"> Sketching Annotation <p>Make</p> <ul style="list-style-type: none"> Knife Skills Sauce Dough making <p>Knowledge</p> <ul style="list-style-type: none"> Food spoilage Weighing /Measuring Planning Diets Healthy eating
8	<p>Cushion Design</p> <ul style="list-style-type: none"> Sketching <p>Make</p> <ul style="list-style-type: none"> Heat Press Embellishment <p>Knowledge</p> <ul style="list-style-type: none"> Environmental, social and economic challenge Printing technics 	<p>Action Figure Design</p> <ul style="list-style-type: none"> Sketching <p>Make</p> <ul style="list-style-type: none"> 2D card modelling Vacuum forming <p>Knowledge</p> <ul style="list-style-type: none"> Quality Control Shaping technics Packaging 	<p>Architecture Design</p> <ul style="list-style-type: none"> Orthographic drawing Construction lines <p>Make</p> <ul style="list-style-type: none"> 3D card modelling <p>Knowledge</p> <ul style="list-style-type: none"> Forces and Stresses Selecting Materials Measuring Scale drawing 	<p>New Technologies Design</p> <ul style="list-style-type: none"> Sketching Digital drawing <p>Make</p> <p>N/A</p> <p>Knowledge</p> <ul style="list-style-type: none"> New and emerging technologies Augmented reality Virtual reality 	<p>International Cuisines Design</p> <ul style="list-style-type: none"> Sketching Annotation <p>Make</p> <ul style="list-style-type: none"> 3D card modelling <p>Knowledge</p> <ul style="list-style-type: none"> Selection ingredients Food choice Heath Nutritional needs 	<p>Burger Box Design</p> <ul style="list-style-type: none"> Sketching Layout Typography <p>Make</p> <ul style="list-style-type: none"> 3D card modelling <p>Knowledge</p> <ul style="list-style-type: none"> Labelling Food spoilage Measuring

Year	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
9	<p>App Design</p> <p>Design</p> <ul style="list-style-type: none"> ▪ Sketching <p>Make</p> <p>N/A</p> <p>Knowledge</p> <ul style="list-style-type: none"> ▪ Computer-aided Design ▪ Target Market ▪ Design Development 	<p>Trainer Project</p> <p>Design</p> <ul style="list-style-type: none"> ▪ Rendering ▪ Shading tone <p>Make</p> <ul style="list-style-type: none"> ▪ 3D card modelling <p>Knowledge</p> <ul style="list-style-type: none"> ▪ Colour theory ▪ Packaging ▪ Product analysis 	<p>Chair Design</p> <p>Design</p> <ul style="list-style-type: none"> ▪ Sketching ▪ Assembly drawing ▪ Isometric Drawing <p>Make</p> <ul style="list-style-type: none"> ▪ 3D card modelling ▪ Laser cutting <p>Knowledge</p> <ul style="list-style-type: none"> ▪ Standard components ▪ Flat packs furniture ▪ Use of woods 	<p>Music Festival</p> <p>Design</p> <ul style="list-style-type: none"> ▪ Concept Drawing/Sketching <p>Make</p> <p>N/A</p> <p>Knowledge</p> <ul style="list-style-type: none"> ▪ Social Issues ▪ Product Sustainability 	<p>Pizza Challenge</p> <p>Design</p> <p>N/A</p> <p>Make</p> <ul style="list-style-type: none"> ▪ Knife Skills ▪ Raining agents ▪ Sauce making ▪ Use of the cooker <p>Knowledge</p> <ul style="list-style-type: none"> ▪ Sources and origins ▪ Weighing/Measuring ▪ Nutrition ▪ Packaging 	<p>Science Behind Food</p> <p>Design</p> <p>N/A</p> <p>Make</p> <ul style="list-style-type: none"> ▪ Knife Skills ▪ Preparation fruit and vegetables ▪ Cooking methods <p>Knowledge</p> <ul style="list-style-type: none"> ▪ Food provenance ▪ Weighing/Measuring ▪ Micronutrients ▪ Macronutrients