

Year 8 Design and Technology Curriculum Overview				
Students in Year 8 will experience 3 areas of Design and Technology (Food/product Design and textiles) via 3 rotations during the year.				
	Food	Textiles – Sweet Stitches	Product design – Phone stand	
BIG Q Content (max 5)	How can I use food preparation, cooking techniques and healthy eating knowledge to safely make nutritious meals and dishes? 1. Understand food safety, hygiene and the importance of safe food storage and prevention of food poisoning. 2. Apply practical cooking skills safely and accurately, including measuring, preparing, assembling, baking and stir frying. 3. Use the Eatwell Guide to make healthy eating choices and recommendations. 4. Develop confidence using kitchen equipment, knives and hobs correctly and safely. 5. Prepare and evaluate a range of healthy dishes including pasta salad, pizza, chilli and fruit muffins.	How can I use textile techniques, fabrics and surface decoration creatively to design and make a sweet-inspired textile outcome? 1. Understand and respond creatively to a design brief inspired by sweets, cakes or biscuits. 2. Explore and apply a range of textile techniques including tie dye, brusho, appliqué and embellishment. 3. Develop practical skills using hand stitching and machine stitching safely and accurately. 4. Create and refine a decorative textile design using colour, pattern, layering and fabric manipulation. 5. Produce a well-finished stuffed textile outcome and explain the inspiration and techniques used.	How can I use workshop skills, CAD and ergonomic design to create a functional and appealing phone stand for a user? 1. Understand material properties, ergonomics and anthropometric data when designing for a target user. 2. Identify and safely use workshop tools, equipment and CAD software to manufacture a product. 3. Apply practical making skills accurately, including measuring, cutting, shaping and joining materials. 4. Develop and improve design ideas through modelling, evaluation and quality control. 5. Create a functional phone stand that meets a specification and responds to a client or user need.	
Vocabulary (max 10) Please log into MAPPER to support your child to learn these words	1. Food Hygiene 2. Food Safety 3. Eatwell Guide 4. Nutrition 5. Storage 6. Food Poisoning 7. Baking 8. Stir Frying 9. Measurement 10. Healthy Eating	1. Appliqué 2. Embellishment 3. Layering 4. Tie Dye 5. Brusho 6. Fabric Manipulation 7. Hand Stitching 8. Machine Stitching 9. Surface Design 10. Design Brief	1. Ergonomics 2. Anthropometrics 3. CAD 4. Plywood 5. Dowel 6. Template 7. Coping Saw 8. Fret Saw 9. Risk Assessment 10. Quality Control	
Catholic Link	Care for the Human Person Students learn how healthy eating and safe food preparation support wellbeing and care for ourselves and others.	Human Creativity and Dignity Students use their creativity and individual talents to produce unique textile outcomes, showing care, patience and pride in their work.	Dignity of Work Students develop practical and creative skills through careful design and manufacture, showing pride, responsibility and respect for safe working practices.	
Careers Link	Links to careers in Catering, Hospitality, Nutrition and Food Science through cooking, hygiene and healthy eating skills. Gatsby Benchmarks Benchmark 4: Linking food preparation and nutrition skills to real careers. Benchmark 7: Introduction to pathways in Catering, Hospitality and Health industries.	Links to careers in Fashion, Textile Design, Costume Design and Interior Design through creative and practical textile skills. Gatsby Benchmarks Benchmark 4: Linking creative textile skills to real careers. Benchmark 7: Introduction to pathways in Fashion, Art and Textiles.	Links to careers in Product Design, Engineering, Architecture and Manufacturing through practical workshop and CAD skills. Gatsby Benchmarks Benchmark 4: Linking design and manufacturing skills to real careers. Benchmark 7: Introduction to pathways in Engineering, Design and Construction.	
Ways to enrich the year 8 curriculum at home...(max 3) •				