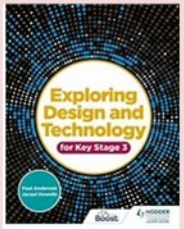
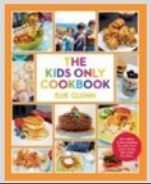
The English Martyrs Catholic School and Sixth Form College

Technology Year 8	Module 1 - Food	Module 2 - Textiles	Module 3 – Resistant Materials
Topic Theme and Intent	Students will **build on knowledge** of **safety** and **hygiene** in food and will use specialist equipment **to prepare and cook dishes**. Students will learn about **nutrition** and a **balanced diet** and the importance of **macronutrients** and **micronutrients.**	Students will use a variety of approaches to generate **creative design ideas** for a **wall hanging** based on a **theme.** Practical skills will including applique and the use of the sewing machine for construction.	Students are introduced to **several new** materials, tools, equipment, and machinery to create a **steady hand game**. To reinforce the understanding of skills learnt previously. To develop students' ability to **evaluate** their work and what they have learnt.
Knowledge	Macronutrients Micronutrients Food and environmental issues Food commodities.	Natural and man-made fibres properties of materials Decorative techniques - Applique Safety and equipment 1960's Era to influence ideas.	Designing a product using a design brief and design specification Working with plastics and metals Properties of different types of plastics Electrical circuits Isometric drawing skills Circuit drawing skills.
Skills	Students build on skills from year 7 to weigh and measure ingredients independently and accurately. They will turn on the hob and oven. Cooking methods and techniques include whisking, binding, piping, shaping, baking, and boiling. They will read a recipe and method.	Students will use a variety of textiles equipment including the sewing machine and iron safely. They will select suitable materials and techniques including applique when developing ideas. They will test, evaluate and refine products considering the views of others.	Students will demonstrate safe working practice in the workshop: use specialist equipment to shape acrylics, use of the belt and bobbin sander, use of pillar drill, creating an electrical circuit, use of soldering iron to solder electrical connections. Develop creative design skills and decorative skills. Evaluate the work of self and others.
Literacy Links	**Reading** – Students will read about macronutrients and micronutrients. They will also read a recipe and method. **Writing** Answering questions in a booklet to demonstrate knowledge and understanding. **Oracy** – question and answer during practical lessons.	**Reading** – Students will read text about natural fibres. They will record and discuss subject specific key words. **Writing** Answering questions in a booklet to about fibres. **Oracy** – class discussion, question, and answer, during design and practical lessons.	**Reading** – reading key words and subject specific vocabulary. Studenst will read text about plastics and their uses. **Writing** – writing a design specification and manufacturing plan **Oracy** – using the name of specific tools, equipment, machinery, and processes in the correct context.
Essential Vocabulary	Eatwell guide, Macronutrients, Amino acids, Cholesterol, Saturated fat, Micronutrients, Commodities, Preparation, Cooking skills.	Research, Pop art, Hand embroidery, Fabric crayon, Applique, Interfacing, Seam allowance, Construction.	Centimeters, Millimeters, Marking Out, Acrylic vacuum, Bobbin Sander, electrical circuit, soldering, design brief, design specification, aesthetics, evaluation

Disciplinary Reading		Reading for Pleasure		
		Kids only cookbook 		Material Innovation – Product design