KS3 D&T Curriculum Sequencing Plan

Year	All KS3 Classes are on a Carousel and will undertake the following units throughout each Year.				
7	MATERIALS UNIT: **Passive Speaker** KEY CONTENT: • Health & Safety in the Workshop • Design Ideas • Classification of Timbers • Hand and Machine Tools	FOOD UNIT: **Food Skills** KEY CONTENT: • Safety & Hygiene in the Food Room • Food Preparation • Tools & Equipment	TEXTILES UNIT: **Soft Toy** KEY CONTENT: • Health & Safety in Textiles • Design Ideas • Hand sewing techniques	GRAPHICS UNIT: **Pop Up Book** KEY CONTENT: • Graphical Tools • Mechanisms & Motion • Modelling	DESIGN SKILLS & KNOWLEDGE: KEY CONTENT • Isometric Drawing • Sustainable Design • World Foods • Social Design

8	MATERIALS UNIT: **Pewter Pendant**
	KEY CONTENT:
	• Designing for a market
	• 2D CAD / CAM
	• Batch Production – casting
	• Timber Joints
	• Finishing materials
		FOOD UNIT: **Hand Held Snack**
		KEY CONTENT:
		• Healthy Eating – Eatwell Plate
		• Impact of diet
		• Snacks from around the world
		• Modifying recipes
		• Using equipment
		  ○ Food Processor
			TEXTILE UNIT TITLE: **Cushion**
			KEY CONTENT:
			• Designing for a user
			• Design History
			• Pattern making
			• Surface Decoration - Printing
			• Using equipment
			  ○ Sewing Machine
				GRAPHICS UNIT: **Activity Pack**
				KEY CONTENT:
				• Designing for a user
				• Product Analysis
				• 2D CAD / Graphics
				• Packaging Nets
				• Evaluating Own Products
					DESIGN SKILLS & KNOWLEDGE:
					KEY CONTENT
					• Perspective Drawing
					• Smart Materials
					• Structures & Forces
					• Inclusive Design

9	UNIT TITLE: **Desk Lamp**
	KEY CONTENT:
	• Electronic Components
	• Soldering
	• Batch Production Techniques
	  ○ Vacuum Forming
	  ○ Laminating
		UNIT TITLE: **World Cuisine**
		KEY CONTENT:
		• Understanding world cuisine
		• Food Safety – bacteria
		• Allergies
		• Sensory Evaluation
		• Designing for a user
		• Planning
			TEXTILES UNIT: **Travel Game**
			KEY CONTENT:
			• Product Analysis
			• Pattern making
			• 3D textiles construction
			• Surface Decoration - Embellishment
			• Using equipment
			  ○ Sewing Machine
				UNIT TITLE: **Designer Chair**
				KEY CONTENT:
				• Iterative Designing
				• Iconic Designers
				• Modelling
				• Ergonomics & Anthropometrics
					DESIGN SKILLS & KNOWLEDGE:
					KEY CONTENT
					• Perspective Drawing
					• Smart Materials
					• Structures & Forces
					• Inclusive Design