DT Curriculum Plan Overview

Year 7B

Term	Topic	Key Words	Learning	How can parents' best support
Autumn 1 Topic: Local Community	**What is DT? Attachments**	Design Research Attachments Problem solving Slot Tab Flange L Brace Split Evaluate Make Design Process Design Brief PVA glue Stanley blade Hot Glue Gun Double sided tape Adhesive	- What is Design and Technology? Graphic design, Textiles, Food and Nutrition, Woodwork. - Careers in Design and Technology. - Problem solving - Attachments - L- Brace, bracket, split pin, flange. - Measuring, cutting and gluing. - Health and Safety - Evaluation of work.	Help your child to understand specialist vocabulary related to this topic. Research and discuss different jobs in Design and Technology. Discuss whether your child shares any interests in Design and Technology (fashion designer, games designer, chef). Discuss how problem solving and not getting things right the first time is a part of the design process.
Assessment:				
Autumn 2 Topic: Changes and Transformations	**Cushion design**	Attachments Felt Cotton Design Brief Webbing Stitch	- Textiles- where do you find them? - Careers in textiles - Designing for a purpose - Sewing and attaching techniques	Help your child to understand specialist vocabulary related to this topic. Research and discuss different jobs in textiles.

		Fabric glue Durable Research Design Process Textiles Purpose Stencil Template Evaluate	- How sewing is a part of Life Skills. - Designing and working from a stencil. - Health and Safety - Evaluation.	Practise sewing and different stitchwork at home- for example repairing a split in a pair of trousers. Discuss how problem solving and not getting things right the first time is a part of the design process.
Assessment:				
Spring 1 Topic: Charity	**Packaging**	3D Product design Target market Colour theory Design Evaluate Make Cube Cuboid Design Brief Design process Template Net	- 3D design - Designing for a purpose. - Designing from a brief - Logo design and package information. - Pricing and marketing. - Nets and prisms - Materials and resource evaluation - Health and Safety - Evaluation of design	Help your child to understand specialist vocabulary related to this topic. Research and discuss different jobs in packaging design- primarily drink carton designs for children. Research packaging design jobs in different areas such as food, game packaging, clothes packaging. Discuss how problem solving and not getting things right the first time is a part of the design process.
Assessment:				
Spring 2 Topic: Significant people and events in history	**STEM**	Problem solving Team building Engineering Attachments Design brief Problem solving Evaluation	- Independent thinking - Problem solving - Working as part of a group - Meeting a design brief - Links to maths and science through design work.	Help your child to understand specialist vocabulary related to this topic. Discuss with your child the importance of working in a group to solve problems and how listening is the key part to working with others.

			- Health and Safety	Discuss how problem solving and not getting things right the first time is a part of the design process.
Assessment:				
Summer 1 **Topic: My World**	**Tie dye techniques and tshirt design**	Attachments Cotton Design Brief Webbing Stitch Durable Research Design Process Textiles Purpose Stencil Template Evaluate Tie dye Fabric in Iron transfer Retro	- Textiles- fabric pattern design - Links with 'Flower Power' 70's movement and history. - Designing for a purpose - Tie Dying techniques - Designing a stencil and applying it using fabric paint/pens. - Health and Safety - Evaluation.	Help your child to understand specialist vocabulary related to this topic. Research and discuss different jobs in textiles. Discuss fashion in the 70's, especially the link to 'Flower Power' and WoodStock festival. Look at different logos on clothing such as Nike, Adidas or even PS4 or XBox. Take photographs of these logos when you see them at home. Discuss how problem solving and not getting things right the first time is a part of the design process.
Assessment:				
Summer 2 **Topic: sustainability**	**Environmental craft**			