

Subject: Design Technology

Year group: 7

Department Curriculum Vision: *Learning about design and technology helps our students understand the world in which they are living and actively engage in it.*

At KS3 Design Technology we teach a carousel format where students spend 13 weeks in one DT subject then move to the next.			
	Art Textiles (13 weeks)	Food (13 weeks)	Product Design (13 weeks)
Content: (Know what...)	Increase confidence in both theory and practical elements of the subject. To learn the basics of sewing machine use and hand embroidery	Introduction to equipment and ingredients. Increase healthy diet related knowledge including the Eatwell Guide	Introduction to using tools and equipment safely. Designing and making a product for clients.
Skills: (know how...)	Bug Wall Hanging - Basics of using a sewing machine - Decorative techniques - Research artists - Analysis of work - Design and development of ideas	Healthy Eating Project - Food hygiene - Basics of kitchen equipment - Nutrition and healthy eating - Recipes using fruit and vegetables	Mood light Project - Basic communication techniques - Introduction to electronics - Soldering - CAD/CAM - Timbers and plastics - Using hand tools - Joining timber - Wasting timber
Key vocabulary	Mood board Seam Seam allowance Stitches Thread Dyeing Batik Hand embroidery	Fibre Bacteria Cross contamination Food Poisoning Carbohydrate Protein Vitamins Nutrient	Hazard Equipment Design brief Client Product Analysis Materials Isometric CAD/CAM

Mid Term Assessment	Mid unit: knowledge of equipment and techniques.	Mid unit: knowledge of equipment and ingredients.	Mid unit: knowledge of equipment, techniques and Theory Knowledge.
End Term Assessment	End of unit: Final practical outcome assessed.	End of unit: assessed in overall practical skills and theory knowledge	End of unit: Final practical outcome assessed and Theory Knowledge.
Additional information			
Homework	Moodboard, artist research, construction of fabrics , Careers in textiles industry	Weighing and preparing ingredients, planning practicals Uploading Photographs of Plated dishes and evaluation	Health & Safety, Careers in DT, Materials, Tools & Equipment and Recording manufacture diaries.
Extra curricular and enrichment opportunities	Textiles Club	Food club	
Useful links that will support learning	Artists Who Create Artworks of Insects Bug Magazine Collage · Art Projects for Kids Stitch Dictionary	Allrecipes UK - Recipes and cooking ideas for British and Irish cooks BBC Good Food Recipes and cooking tips The Best Cooking Websites	www.technologystudent.com KS3 Design and Technology
How parents can support learning	Checking Satchel One and ensuring homework tasks are complete. Use of hand embroidery at home. Discuss what construction technique has been used in making clothes.	Help to weigh ingredients in preparation for lessons. Practise knife and cooking skills at home. Try new foods from around the world. Promote a healthy diet.	Check and support homework using Satchel One.