

What we want our students to know and remember	KS2 National Curriculum prior learning How are you supporting transition of knowledge from KS2 to KS3?	By the end of the term, students can: Define the key tier 3 vocabulary:	Year 7 Term 1 Textiles rotation Textiles Kantha, design, running stitch, thread, needle, fabric, scissors, sewing machine, applique, pins, eye, pinking shears, stitch ripper, evaluation, tie-dye, prototype, salt fiver	Year 7 Term 2 Product Design rotation Health and safety. Tools and equipment. techniques. practical processes. Product design- workshop, tenon saw, junior hack saw, coping saw, wood categories, Hard and soft woods manufacture d board, pillar drill	Year 7 Term 3 Food and Nutrition rotation Health and safety in food, ingredients, kneading shaping, baking, measurement, heat, Naming Food equipment, Fruit identification, Fruit Salad, Bread, demonstration, practical and evaluation. Nutrients, protein, carbobydrate	Year 7 graphics rotation single Point Perspective, Two Point Perspective, Isometric, viewpoint, degree, angle, Horizon Line, Vanishing Point, depth, rendering, tints, shades, tones, 3- dimensional, pressure, layer, blend, hue, formal element, protractor, compasses, set	Year 8 Term 1 Textiles rotation Textiles. material properties, woven, non- woven, fraying, precision, fine motor skills, sewing machine proficiency, key skills. Health and safety. Monster toys, fabric construction, fibres, designing, evaluation,	Year 8 Term 2 Product Design rotation product Design, material properties, key skills, health and safety. Phone stand, designing, evaluation, develop, improve, ergonomics and anthropometric s. Commercial product, workshop, plywood, joints, dowel, coping saw, fret saw, files, template, CAD,	Year 8 Term 3 Food and Nutrition rotation food safety, Food hygiene. Pasta Salad, kitchen skills, practical, baking, stir frying, storage, healthy, Eatwell Guide, recommendation s, Pizza, Dietary needs, chili, Fruit muffins, food poisoning, prevention, assembly	Year 8 Graphics rotation Typography, marketing, logo, brand identity, advertising, font, skew, text, typeface, spacing, distort, arrange, kerning, bold, italic, Geometric, Old Style, Serif, Sans-serif, Design Brief, Single Point Perspective, Two Point Perspective, Isometric, viewpoint, degree, angle	Year 9 Term 1 Textiles rotation recognising, analysing, trends, fashion industry, blocks, patterns, templating, cutting with precision, pins, scissors, accuracy, assembly, fabric manipulation, sewing machines, tie dyeing, resist	Year 9 Term 2 Product Design rotation Existing Products, analysis, Electronics, soldering, components, USB lamps. Practical- stock, Mark Out, cutting, Abrasives, Quality, Drilling, Assembly, Solder safety, Circuits,, Ergonomics, Technology	Year 9 Term 3 Food and Nutrition rotation International cuisines, Bolognese, Risotto, chicken curry, sweet and sour chicken. Food labelling. Safety, hygiene, temperature control, knives, kitchen equipment, measurement, scales, combing ingredients, frying boiling	year 9 Graphics rotation packaging, logos, target markets, unique selling point, design, influence, inspiration, packaging, concept, analyse, three- dimensional, refinement, annotation, innovative, branding, isometric drawing, 2- point
	Key stage 2 Through a variety of	Recall the knowledge :	salt, fixer, dye, fold, evaluate, Key parts of the sewing machine	pillar drill, disc sander, file, sandpaper. key practical skills, identifying	carbohydrate, fat, minerals, vitamins, Leek & potato soup, Healthy eating, Fruit crumble. Health and safety in food ,Introduction	square, Packaging, Design Brief, Design Development, Target market, recipe, Existing Products, Nets, Customer, Aesthetics Function Brand What key pieces of drawing equipment are	develop, improve, applique, scissors, hand sewing, felt, research, mood board. Recall health and safety of machines,	application of key practical skills, safe use	Safety and food hygiene, practical lessons	degree, angle, Horizon Line, Vanishing Point, depth, rendering, tints, shades, tones, 3- dimensional, pressure, layer, blend hue Revisiting: what key pieces of drawing	dyeing, finishing techniques, commercial product, quality control, sustainability, environment, specification, recall health and safety with	push, Market pull, Sustainability , recall the design process and	Recognising international cuisines and	Revisiting 2 point perspective
	creative and practical activities, pupils should be taught the knowledge, understandin g and skills needed to engage in an iterative		Decorative techniques e.g applique, hand stitching How to hand stitch What Kantha embroidery is and where it originates from	tools and materials, health and safety, practical proficiency. Learning about woods, hard wood, soft wood, manufacture d boards,	of Food equipment, Fruit tasting, Fruit Salad practical, Bread demonstration, Bread practical Introducing Nutrients, Leek & potato soup,	used for in Graphics. What Single Point Perspective is. Where the Horizon Line is. Where the Vanishing Point sits. What Two Point Perspective is. How many Vanishing Points	how to stitch using a sewing machine and hand sewing. The key elements of the design process Why we improve and develop	of tools and equipment, improving confidence in the workshop, identifying Target Markets, looking at anthropometric data and impact on design, user	enforce good hygiene practise, safe food storage and preventing food poisoning, practical's include; pasta salad, pizza, chili, fruit muffins. Looking at the eat well	equipment are used for in Graphics. What Single Point Perspective is. Where the Horizon Line is. Where the Vanishing Point sits. What Two Point Perspective is. How many	machines, understandin g trends in the fashion industry and how this links to contempory designers and brands, the use of complex	how to create a developed improved well annotated design, effective use of the practical progress pages in the	the origin of popular dishes. Safety and Hygiene in food including temperature control, students safety in practical lessons and	drawing and Isometric drawing techniques. The rules of isometric, angles and parallel lines. Students will be taught how to create unique

process of	Health and	proportios	Fruit crumble	are used in Two-	dociana how	groups and	guide, making	Vanishing Points	nattorno	booklet,	good bygions	and creative
process of	safety rules	properties, sources and	practical	Point	designs, how to evaluate	groups and suitability of	healthy eating	are used in Two-	patterns, creating a	recording	good hygiene practise, Food	logos using
designing	-		practical					Point	•	_		
and making.	of a Textiles	sustainability		Perspective. The	work, how to	products for	recommendation		commercial	stages of	Labelling –	typography,
Pupils create	room	issues.		difference	record the	users. Looking	s and school	Perspective. The	product to a	practical to	using food	illustration
and develop	Key	Following		between Single	production	at specifications	meal challenge.	difference	high standard	identify	labelling to	and
designs,	knowledge	instructions		and Two Point	process.	linking to GCSE		between Single	and	successes	make	packaging
aimed at	about	to a high		Perspective.	Researching	language, Risk		and Two Point	recording the	and areas for	informed	design.
individuals or	different	standard in a		What Isometric	existing	assessments,		Perspective.	stages of the	improvement	decisions.	Researching
groups, and	types of	practical.		Drawing is. What	products,	exploring the		What Isometric	process.	, introducing	Energy	visual
annotate.	fabrics	Applying		angle Isometric	presentation	design process		Drawing is. What	Understandin	different	balance and	elements,
select from	Sustainability	skills to a		Drawing uses.	of research,	to create		angle Isometric	g areas for	tools,	food	types of
and use a	in Textiles	challenge		How Isometric	designing	successful		Drawing uses.	improvement	equipment	processing.	typography
wider range	What a	task of		drawing is	and	designs for a		How Isometric	and how to	and practical		and written
of tools and	design brief	adapting		advantageous	manufacturin	client. Using		drawing is	apply this to	skills to build		scripts. Nets
equipment to	is	practical's to		compared to	g a soft toy,	computer		advantageous	a practical	on year 7		and
perform	The key	their own		Single/Two Point	following a	design		compared to	product.	and 8,		packaging
practical	elements of	design.		Perspective.	design brief,	programmes,		Single/Two Point	recall of	complex		types.
tasks	the design			What rendering	design			Perspective.	techniques in	practical		Looking at
[for example,	process			is and	development,			What rendering	manufacture	which		creating
cutting,	Why we			where/why it is	creating			is and	and surface	includes		USP's linking
shaping,	improve and			used. What	patterns.			where/why it is	dyeing.	electronic		to target
joining and	develop			tints/shades/tone				used. What	Finishing	component.		markets.
finishing],	designs			s are. The				tints/shades/tone	skills.			
accurately	What tie dye			importance of				s are.				
§ select from	is and			branding and				Typography:				
and use a	ingredients			packaging. Key				What				
wider range	needed			information				Typography is				
of materials	Understandin			included on food				and where/ why				
and	g the			packaging. What				it is used. What				
components,	evaluation			a net is.				skew means.				
including	process.							What font				
construction								means, and the				
materials,								key different				
textiles and								styles of font				
ingredients,								used in Graphics				
according to								- Old Style,				
their								Geometric, bold,				
functional								italic, serif, sans-				
properties								serif. How				
and aesthetic								brands used				
qualities								Typography to				
pupils will								create an				
evaluate								identity. The				
work. In the								important of				
area of Food								Typography and				
KS3								logos in brand				
understand								identity.				
and apply												
the principles												
of a healthy												
and varied												
diet												
§ prepare												
and cook a												
variety of												
predominantl												
y savoury												
dishes using												
a range of												
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	cooking techniques § understand seasonality, and know where and how a variety of ingredients are grown, reared, caught and processed.											
What we want our students to do	How are you supporting transition of skills from KS2 to KS3? KS3 builds upon the introduction of Technology, deepening the understandin g of the design process, use of a greater variety of tools and equipment, developing greater confidence in a real environment ie; workshop and food room. Making more complex practical's using a wider variety of materials and ingredients. Further developing evaluation and annotation skills.	How to hand stitch using a Running Stitch How to use a sewing machine with increasing levels of skill and accuracy Work practically with good standards of health and safety How to design a range of design ideas linked to a design brief and develop them using feedback Cutting and pinning skills improving accuracy. Surface pattern techniques - applique and -tie dye	Introduction of health and safety. Researching types of wood, properties and sources. Following instructions in the workshop to construct a 3D wooden truck. Evaluation, recording the stages of practical into a production plan. Basic practical adapted into unique designs once key skills are learnt. Designing and improving. Application of knowledge, hand tools and electric tools used with improved understandin g and confidence. understandin g of health and safety.	Recall instruction from practical demonstration s. Knowledge of equipment and correct, safe use of knives, preparing and assembling, function of ingredients, key skills, safe use of oven, kneading and shaping, Functions and sources of Protein, Carbohydrates and Fat, function of ingredients, effect of heat on ingredients, Functions and sources of vitamins and minerals, function of ingredients, key practical skills including accurate measurement, assembling and baking including effect of heat on ingredients	How to draw using Single Point Perspective. How to draw using Two Point Perspective. How to draw using Isometric Perspective. How to copy an image accurately drawn in Single, Two-Point Perspective and Isometric style. How to create your own design using a brief accurately drawn in Single, Two-Point Perspective and Isometric style. How to render a design to make it look 3-dimensional. How to apply tints/shades/tone s effectively to a design. How to create a range of designs using a design brief. How to design a product and a logo. How to use a net to create packaging. Creative design development to design your own Chocolate box packaging. Analysis skills to analyse existing	hand sewing techniques. Developing their own pattern templates from a final design. Construction of 3D product that meets a brief, Having a good understanding of health and safety.	improved awareness of risk identified with writing risk assessments, linked to health and safety and correct use of tools, recording of practical lessons giving students ability to record successes and areas for improvement, creating a product for an identified user. Understanding anthropometric data and how it links to ergonomic design. Introduction of CAD learning to use computers for Design.	Transform a complex 2D shape into a 3D shape using Single/ Two-Point / Isometric perspective. Identify the style of drawing seen in the image. What angle does Isometric drawing use? Why is Isometric Drawing more useful than Single or Two-Point Perspective? Design a creative Typography poster working to a design brief.	identification of successful designers and brands and the impact on trends, link to specification and global contempory designers, improving sewing machine skills and accuracy of pattern cutting, pinning and assembly of product. Looking at commercial viability, health and safety and ongoing quality control. improving recording of practical lessons in preparation for GCSE.	students create designs that are commercially viable, to create a well thought out improved design to make a USB light practical. Using new skills, tools and equipment to build on previous knowledge. Boosting practical skills and confidence in the workshop. Pupils record the practical process in a format they now understand to gain from it a clear vision of how to improve their own work.	vegetable and meat preparation, , function of ingredients and effect of heat on ingredients (gelatinisation), heat control, vegetable and meat preparation, gelatinisation, function of ingredients, effect of heat on ingredients, accurate measuring, dividing equally for consistency, accurate temperature control when using the hob	Working to a design brief to create unique well researched packaging for a fragrance bottle. Working with 3D drawing techniques to draw out designs that are well presented and accurate. Working through design development, evaluation and analysis of ideas to produce well planned final designs.

Кеу		Do you	Can you	Can you use	products and your own design ideas in a critical manner. Creative design	Creative	Can you follow	Awareness of	Creative design	Improved	Show	Show	Creative
assessmen t questions:		understand the Kantha technique and links to practical and design work, are you able to use a hand sewing needle to perform a running stitch, can you effectively self and peer assess work using key terms and subject specific language. Do you know how to prepare fabric for dyeing using a resist dyeing technique, can you list dye ingredients and their properties, are you able to understand health and safety while using machines.	identify tools and machinery, can you use them correctly, can you describe in detail correct health and safety in the workshop and identify potential risks, do you understand the difference between woods and their properties, can you record practical work in detail.	correct methods in the Food room, are you aware of all health and safety procedures, can you follow a recipe and instructions for cooking, are you aware of ingredients and methods, can you demonstrate correct use of tools and equipment, can you describe function and sources of fats, carbohydrates and protein, vitamins and minerals.	skills. The design process and design development. Fine motor skills and hand eye coordination when drawing. Transferable skills with problem solving and team work. Links to careers, art, other areas of technology and maths. Sustainability and environmental awareness. Understanding measurements, measuring accuracy.	design skills and design development, can you create template from design work, accurate cutting, pinning and machine sewing, application of hand sewing skills with accuracy, fine motor skills in cutting out, pinning and sewing, hand to eye coordination. Effective evaluation and improvement , quality control.	instructions and develop original designs on CAD, following health and safety rules within the workshop, accurate drawing out and cutting using appropriate tools and equipment, creating original aspirational practical designs, using quality control to manufacture a product.		skills. The design process and design development. Fine motor skills and hand eye coordination when drawing. Transferable skills with problem solving and team work. Links to careers, art, other areas of technology and maths. Sustainability and environmental awareness. Understanding measurements, measuring accuracy.	understandin g of patterns and show accurate use, pinning and cutting skills, improved accuracy using the sewing machine, be able to identify trends and write company profiles, analyse products using ACCESSFM, make a commercial product with a good level of skill, recall and record in detail processes and techniques.	understandin g using computer aided design, follow instructions and apply them to your own creative designs, use correct health and safety in the workshop, increased confidence and accuracy using tools and practical techniques, create a well finished practical product using appropriate techniques.	increased confidence and proficiency in the food room, understand the effect of heat, gelatinisation, accurate measuring, food preparation including vegetables and meat, understand the effect of ingredients,	design skills. Understandin g the design process and design development. Evaluating and analysing designs work, Accuracy when drawing. Presentation skills, Transferable skills with problem solving,

Disciplinar What makes	Over the whole of KS3 the disciplinary rigour develops high expectations specific to Technology.
y Rigour your subject different to other subjects? What are the	Practical knowledge and Health and Safety needs to be understood and applied in all subject areas. The school's message "know more, remember more and apply more". Directly links to the building of confidence and skills within the different areas, key practical skills are learnt in year 7 and build in complexity throughout KS3. Student have the opportunity to learn, apply, build, recall and use these skills throughout the key stage. During KS2 they have had the opportunity to take part in D&T projects learning about safe practices with tools and construction of a finished product. We build upon this knowledge and introduce depth and complexity within the practical projects and theory content. Student will develop their fine motor skills and hand eye coordination in practical lesson. This involves building better understanding of health and safety. Gaining awareness of the safe practice in different areas, sewing machines, workshop and food room. Identification of tools, equipment and techniques. They will develop transferable skills such as, problem solving and team work. Links to geography, physics and maths include; issues surrounding sustainability and environmental awareness, the impact of