

KFJS
DT Curriculum Map

In each project children: evaluate products before and after the design and making process.

Year 3

Project	Flower Power Healthy eating (making sandwiches)	What's Happening Now? Photo frames to display in school (photo/art of local area)
Key question	Can I design and make a healthy sandwich?	Can I design and make a photo frame from wood?
Essential understanding	Understand the Eatwell plate (NHS) for healthy eating and recognise the proportions of food groups for a healthy diet Design, make and evaluate a healthy sandwich with reference to taste, healthy eating and suitability of design Evaluate finished product	Measure the size of picture to ensure frame will fit Measure wood using a ruler and mark it with a pencil Cut wood using a saw and bench hook Use Jinks corner (triangles) to create a solid joint
Purpose	Design a healthy lunchbox.	Design a frame to display around school. Using either a photo of the local area or a painting.
Make	FOOD Design own healthy sandwich by selecting from a variety of bread and fillings to produce a healthy sandwich.	WOOD select from and use a wider range of tools and equipment to perform practical tasks [for example, cutting, shaping, joining and finishing], accurately
Strengthen, stiffen, reinforce		apply their understanding of how to strengthen, stiffen and reinforce more complex structures
Cooking and nutrition	Understand and apply the principles of a healthy and varied diet Understand seasonality, and know where and how a variety of ingredients are grown, reared, caught and processed.	
Understand how key events and individuals in D&T have helped shape their world	Discuss key events and individuals (examples only) <u>Food</u> Tin can – Peter Duran Freezing food – Clarence Birdseye Microwave- Percy Spencer	
Skills	Generate ideas for an item, considering its purpose and the user/s Identify a purpose and establish criteria for a successful product. Plan the order of their work before starting	Generate ideas for an item, considering its purpose and the user/s Identify a purpose and establish criteria for a successful product. Plan the order of their work before starting

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	<p>Explore, develop and communicate design proposals by modelling ideas Make drawings with labels when designing Select tools and techniques for making their product Demonstrate hygienic food preparation and storage Use finishing techniques to strengthen and improve the appearance of their product using a range of equipment including ICT Evaluate their product against original design criteria e.g. how well it meets its intended purpose Disassemble and evaluate familiar products</p>	<p>Explore, develop and communicate design proposals by modelling ideas Make drawings with labels when designing Select tools and techniques for making their product Measure, mark out, cut, score and assemble components with more accuracy Work safely and accurately with a range of simple tools Think about own ideas as progress is made and be willing to change things if this helps to improve work Measure the size of the picture Measure and mark out the wood to chosen size Join two pieces with a Jinks corner Use finishing techniques to strengthen and improve the appearance of the frame Evaluate their product against original design criteria e.g. how well it meets its intended purpose Disassemble and evaluate familiar products</p>
Assessment	Can I design and make a healthy sandwich?	Can I design and make a photo frame from wood?
WTS	Unsure of what makes it healthy and needed a lot of scaffolding to design and create the sandwich.	Need support and scaffolding with design and/or practical tasks such as cutting, shaping, joining and finishing so that the frame fitted the picture.
EXS	Basic sandwich with some healthy elements. Can give some reasons for choices in design and creation.	Design and use cutting, shaping, joining and finishing independently producing a frame, which fits the picture.

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Key question	Can I design and make a healthy sandwich?	Can I design and make a photo frame from wood?
GDS	Confident design and creator. Is able to explain why his sandwich is healthy with clarity.	Design and confidently use tools to create a well-constructed frame independently, which completely frames the picture.