

Design and Technology Skills (YEAR 3 and YEAR 4)

| Design and Technology Skills (YEAR 3 and YEAR 4) | | | | | Vocabulary |
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| To design, make and evaluate and improve (DMEI) | To master practical food skills: FOOD (F) | To master practical skills: TEXTILES (T) | To master practical skills: STRUCTURES (S) | | |
| KS2 | <p>I know where a range of ingredients are grown, reared, caught or processed.</p> <p>Should food travel?</p> | <p>I can work in a safe and hygienic way e.g. tying hair back, wiping work surfaces, not mixing up utensils.</p> <p>Can I make myself Healthy</p> <p>WW2 change the lives of women</p> <p>Cadburys</p> | <p>I can make a textile product using appropriate materials that has a good finish and can do the job it was made for.</p> <p>*** WW2 make do and mend make a gift from scraps (Y3 did this when we had a practical maths day and it was a good experience, good for measuring and perimeter - real life as well)</p> <p>WW2 change the lives of women</p> | <p>I can use the most appropriate mouldable suitable for purpose of my product.</p> <p>***Egyptians- Making canopic jar out of clay</p> <p>Egyptians</p> | <p>farming fishing plants animals hygiene</p> |
| | <p>I can plan and prepare a variety of healthy dishes (predominately savoury) using a range of cooking techniques and ingredients.</p> <p>Can I make myself Healthy</p> | <p>I can weigh and measure ingredients accurately.</p> <p>Can I make myself Healthy</p> <p>Cadburys</p> | | <p>I can make holes with a punch.</p> <p>***Enterprise making things to sell at Christmas fair?</p> | <p>prepare cook weighing savoury blending whisking melting baking</p> |
| | <p>I can use research and develop design criteria to inform the design of functional, appealing products that are fit for purpose.</p> | <p>I can select and am beginning to use the appropriate equipment to prepare foods in a variety of ways e.g sieve, grater, knife, potato</p> | | <p>I can measure using cm to cut, score and fold. *** WW2 make do and mend make a gift from scraps</p> <p>WW2 change the lives of</p> | <p>computer - aided design annotated design prototypes utensils</p> |

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| | <p>Can I make myself Healthy</p> <p>Egyptians</p> <p>Turtles</p> <p>Communication telephones</p> <p>Cadburys</p> | <p>peeler, whisk, juicer.</p> <p>Can I make myself healthy?</p> <p>WW2 change the lives of women</p> <p>Cadburys</p> | | <p>women</p> | |
| | <p>I can recognise that my designs have to meet a range of different needs and users.</p> <p>Can I make myself healthy?</p> <p>Turtles</p> | <p>I understand that some foods may not be eaten raw as it is unsafe.</p> <p>- Can I make myself healthy?</p> | | <p>I can use scoring and folding to shape materials accurately.</p> <p>***WW2 Paper templates of wallets</p> <p>WW2 change the lives of women</p> | <p>efficiency appropriate</p> |
| | <p>I can use words labelled sketches and models to communicate the details of my designs and can clarify when asked.</p> <p>Can I make myself healthy?</p> <p>Turtles</p> <p>Cadburys</p> | <p>I can change the nature of the raw ingredients by cooking or chilling.</p> <p>Can I make myself healthy?</p> | | <p>I can use cutting and shaping techniques within the perimeter of the material such as sots and cut-outs.</p> <p>*** WW2 make do and mend make a gift from scraps</p> <p>WW2 change the lives of women</p> | <p>ingredients raw score</p> |
| | <p>I can reflect on the design and make process and my end products and identify some improvements.</p> <p>Turtles</p> | <p>I can present my food product to impress the consumer.</p> <p>Can I make myself healthy?</p> | | <p>I can make my structures stronger by folding, joining or by its shape. ***Egyptians making pyramids in Inspire workshop.</p> <p>Egyptians</p> | <p>refine product purpose repair strengthen</p> |

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| | | <p>I understand how some food can be harmful to some people.</p> <p>Cadburys</p> | | | <p>allergies intolerance</p> |
| <p>To master practical skills: MECHANISMS (M)</p> | | <p>To take inspiration from design throughout History (I)</p> | | <p>Vocabulary</p> | |
| | <p>I know about levers, sliders, wheels, axles and winding mechanisms.</p> | | <p>I can use designer's ideas to influence my own design</p> | | |
| | | | <p>I can disassemble products to understand how they work.</p> <p>Cadburys</p> | | |