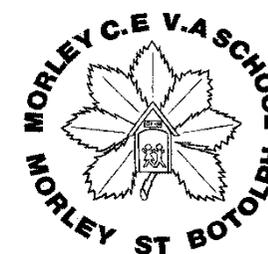




Tacolneston & Morley CE VA Primary Schools Federation



*As each has received a gift, use it to serve one another, as good stewards of God's varied grace
1 Peter 4:10*

Work together, learn together, grow together...

DESIGN & TECHNOLOGY PROGRESSION OF SKILLS ASSESSMENT GRID

	Y1	Y2	Y3
COOKING AND NUTRITION	<ul style="list-style-type: none"> cut food safely 	<ul style="list-style-type: none"> understand the need for a variety of food in a diet group familiar food groups e.g. fruit and vegetables measure and weigh food items – using informal methods 	<ul style="list-style-type: none"> say what to do to be hygienic and safe begin to be able to read and understand food labels measure and weigh ingredients appropriately
PROCESSES	<ul style="list-style-type: none"> generate ideas and recognise characteristics of familiar products 	<ul style="list-style-type: none"> design purposeful, functional, appealing products for 	<ul style="list-style-type: none"> demonstrate that his/her design meets a range of requirements

	<ul style="list-style-type: none"> • use pictures and words to describe what he/she wants to do • select from and use a range of tools and equipment to perform practical tasks e.g. cutting, shaping, joining and finishing • choose materials and explain why they are being used • explore and evaluate a range of existing products • build structures, exploring how they can be made stronger, stiffer and more stable • use levers and sliders 	<p>himself/herself and other users based on design criteria</p> <ul style="list-style-type: none"> • generate, develop, model and communicate his/her ideas through talking, drawing, templates, mock-ups and, where appropriate, information and communication technology • select from and use a wide range of materials and components, including construction materials, textiles and ingredients, according to their characteristics • choose materials and explain why they are being used depending on their characteristics • evaluate his/her ideas and products against design criteria • join materials together as part of a moving structure • explore and use mechanisms e.g. levers, sliders, wheels and axles, in his/her product 	<ul style="list-style-type: none"> • complete a plan that shows the order and also what equipment and tools he/she needs • use equipment and tools accurately • explain how he/she has selected appropriate materials and components to create a finished product that will be of good quality • investigate and analyse a range of existing products • strengthen frames using diagonal struts • use a simple circuit in his/her product
	Y4	Y5	Y6
COOKING AND NUTRITION	<ul style="list-style-type: none"> • understand what makes a healthy and balanced diet and that different foods and drinks provide different substances the body needs to be healthy and active • understand seasonality and know how a variety of ingredients are grown, reared, caught and 	<ul style="list-style-type: none"> • know appropriate portion sizes and the importance of not skipping meals, including breakfast • understand some of the basic processes to get food from farm to plate • taste a range of ingredients and food items to develop a food vocabulary when designing 	<ul style="list-style-type: none"> • understand the main food groups and the different nutrients that are important for health • use information on food labels to inform choices • join and combine ingredients appropriately e.g. beating, rubbing in

	processed to make them safe and palatable/tasty to eat		
PROCESSES	<ul style="list-style-type: none"> investigate similar products to the one to be made to give starting points for a design generate alternative plans and expound on the good points and drawbacks of his/her original design select from and use a wider range of tools and equipment to perform practical tasks e.g. cutting, shaping, joining and finishing, accurately explain how his/her choices of materials and components have contributed to the aesthetic qualities of his/her finished product consider how the finished product might be improved and how well it meets the needs of the user join and combine materials and components accurately in temporary and permanent way understand and use mechanical systems in his/her products e.g. gears, pulleys, cams, levers and linkages 	<ul style="list-style-type: none"> use research and develop design criteria to inform the design of innovative, functional, appealing products that are fit for purpose, aimed at particular individuals or groups create prototypes to show his/her ideas use tools and materials precisely select from and use a wider range of materials and components, including construction materials, textiles and ingredients, according to their functional properties and aesthetic qualities evaluate his/her ideas and products against his/her own design criteria and consider the views of others to improve his/her work apply his/her understanding of how to strengthen, stiffen and reinforce more complex structures understand and use electrical systems in his/her products e.g. series circuits incorporating switches, bulbs, buzzers and motors 	<ul style="list-style-type: none"> use market research to inform plans generate, develop, model and communicate their ideas through discussion, annotated sketches, crosssectional and exploded diagrams, prototypes, pattern pieces and computeraided design make modifications to the original design as he/she proceeds cut and join with accuracy to ensure a high quality finish to his/her product understand how key events and individuals in design and technology have helped shape the world construct products using different joining techniques apply his/her understanding of computing to program, monitor and control his/her product