Design Technology 2019 -2020

Skills Progression

	Product & purpose	Making (skills)	Design and evaluation	Technical knowledge	Food technology and nutrition
Year 2	To design and make a moving Christmas card for my family	Joining different materials using a choice of pivots, levers, sliders, concertinas (multiple moving parts, with one element using more than split pin pivot)	Research, design and evaluation carried out against a set criteria/ for a specific purpose. Children to have access to a greater choice of materials, equipment and techniques. Annotated prototypes and templates Evaluation to be at greater depth, with greater consideration of how products can be improved to meet the design brief (completion of	How to use chosen tools safely (scissors, hole punch, stapler, paper punch, pins, glue Properties of materials (flexibility, thickness, rigidity, texture, appearance) How to use a ruler to measure Finishing techniques to improve appearance of finished product (glueing, decoration, colour, typeface	

Skills Progression

			recording sheets/ workbooks)		
	To design and make soup and bread suitable to be eaten at a Jewish festival (links to RE)	Weighing, peeling, grating and chopping of ingredients	Tasting of related products/ ingredients to make choices about what should be included based on taste, texture and appearance	How to prepare foods hygienically (link to PSHE – washing hands yr1) How to use associated tools safely (knives, peelers, graters) How to use a heat source safely (slow cooker) How to present and finish product to make it appealing	To name and sort foods into the five groups on the Eatwell plate (link to yr1) To know that food has to be farmed, grown elsewhere (eg home) or caught (links to science) Introduction of concepts of 5 a day, diet and portion (links to PE, PSHE and Science yr1/2)

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Skills Progression

	To design and make a vehicle that can move	To use wheels and axels (fixed and rotating) to produce a vehicle that can move forwards and backwards	Investigation and disassembly of wheeled toys to see how they work Handling different mechanisms to make choices about their appropriateness	How to use chosen tools/ materials safely Properties of materials (flexibility, thickness, rigidity, texture, appearance) To follow instructions How to use a ruler to measure accurately Finishing techniques to improve appearance of end product (glueing, decoration, colour)	
Year 1	To make a moving Christmas decoration (elf/ father christmas) for on the Christmas tree.	To use split pins to make simple 1 mechanism pivot /lever joins	Research, design and evaluation carried out against a set criteria/ for a specific purpose. Simple labelled templates	How to use chosen tools safely (scissors, hole punch, stapler, paper punch, pins, glue) Properties of materials (flexibility, thickness, appearance)	

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Skills Progression

			Evaluation towards criteria using a simple smiley face system	How to join different materials (to move and hang) What a joint is (link to Science and parts of the body)	
	To make a functional picture frame to hold a self portrait	To practice accurate cutting skills, joing different materials together to make a stable, sturdy and rigid structure.	Research, design and evaluation carried out against a set criteria/ for a specific purpose. Exploration of a range of picture frames to understand different standing mechanisms (folding, hanging and base support) Simple labelled templates Evaluation against criteria – was it fit for purpose, did the	How to use chosen tools safely (scissors, staplers, glue, celloptape) Knowledge of materials (strength, thickness, rigidity, flexibility, appearance) To develop knowledge of rigidity, reinforcement	

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Skills Progression

			structure stand using a set of simple questions and smiley face checklist	and support when building structures	
	To make a tasty and healthy Tropical Fruit salad	To peel and chop chosen ingredients	To look at products on the market and evaluate based on taste, appearance and practicality of packaging To taste a variety of tropical fruits To design own fruit salad based on prior tasting selections and personal preference Evaluation towards criteria	Hygiene (links to PSHE) Selecting and using tools safely (knives)	Where does food come from? Plants & animals (link to science) Where in the world does the frit come from? (Link to geography) Placing of fruits on eatwell plate

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Skills Progression

			using a simple smiley face system		
	WOW – Fun Food Chef	To chop, stir and combine ingredients		Hygiene Use of tools safely (knives)	Reintroduction of Eatwell Plate and what types of food go in each category
Reception (access to construction, paper and cutting ongoing in continuous provision)	To create a Wind turbine	To join paper and card, to make a moving 3D structure	Verbal evaluation – does the wind turbine move when blown on?	Introduction to split pins and the concept of moving joins	
	To create a Folding story book	To fold and join paper of different thickness' to make a story book.	Verbal evaluation – does the book stay together when used?	Introduction to skills of joining and folding paper (staples, treasury tags, paper clips) to make fixed joins	
	To Make a gingerbread man	To weigh, mix and use cutters	Verbal evaluation – does it taste and look nice?	Hygiene	Introduce Eatwell plate and names of food groups

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Skills Progression

				Naming of equipment and ingredients How to use weighing scales How to use a cutting template	
	Christmas baking	To weigh and mix	Verbal evaluation – does it taste and look nice?	How to stay healthy (link to people who help us) Hygiene Naming of equipment and ingredients How to use weighing scales	

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Skills Progression

Nursery (access to junk modelling and construction ongoing)	Chairs	To make chairs using construction kits	Trial and error – exploration and sharing of ideas	Using different construction kits, which provide the best stability, how to make the chair stay upright	
	3D model making (houses and structures)	To use junk modelling resources to create houses and 3D structures	Trial and error – exploration and sharing of ideas	Cutting and joing different materials using glue, tape and staples.	
	Food tasting (ongoing)	Taste noodles Taste porridge Taste fresh vegetables	Introduction to sensory vocab and voicing an opinion		Introduction of where food comes from – children grow own vegetables

Food technology Sliders and levers Mechanisms Structures