Dereham Church of England Infant and Nursery Academy-DT

Autumn 2





Year group: Year I Area/topic: Create, Develop and Evaluate Products

(objectives from NC/ELG/Development matters)

Design

- > design purposeful, functional, appealing products for themselves and other users based on design criteria
- penerate, develop, model and communicate their ideas through talking, drawing, templates, mock-ups and, where appropriate, information and communication technology

Make

- > select from and use a range of tools and equipment to perform practical tasks [for example, cutting, shaping, joining and finishing]
- > select from and use a wide range of materials and components, including construction materials, textiles and ingredients, according to their characteristics

Evaluate

- > explore and evaluate a range of existing products
- > evaluate their ideas and products against design criteria

Technical knowledge

▶ build structures, exploring how they can be made stronger, stiffer and more stable

Prior learning	Future learning
Children have been given the opportunities for exploration of materials	Children will begin to develop creating their own ideas for a set project.
and equipment.	Children will independently apply and use the skills used in the EYFS to
Children have been taught how to fuse objects together using sellotape and	apply to new projects so other learning and understanding can be built
glue.	upon.
Children have been taught what the names of different materials be.	

	What pupils need to know or do to be secure		
	Key knowledge and skills	Possible evidence	
>	Children will be able to look at an existing product and identify things that allow that product to work	Children to have quotes stuck into their	
	or seem appealing.	books.	
	Children will need to understand that a product is not made in one session.	An over time page to be created to show	
\triangleright	Children to be introduced to the process and be shown how long the process may take.	the process of the steps to end of the	
>	Children to comment upon what they can see from the product, colour, size etc.	project.	
\triangleright	At this point in the year children will need to evaluate on a simple level, it did not work because		

Key vocabulary		
Existing products, Design, Make, Decorate, Test, Evaluate ,		
Common misconceptions	Books linking to this area	
Children might not understand that a product will not be made in one	Iggy Peck Architect	
session.		
Children might not understand and will need to be shown (through		
visualiser) what they are looking for in terms on details.		
Memorable first hand experiences	Opportunities for communication	
Looking at existing products.	Children talking and sharing their observations and findings.	
	Pointing and labelling.	

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Reasonable adjustments for pupils with $\ensuremath{\mathsf{SEND}}$

Communication and Interaction	Cognition and Learning
Visual aids Modelling - through the use of visualiser or 1:1 Simple instructions Use of WAGOLL Pre-teaching vocabulary Coloured paper	Repetition of skills Photo examples Check understanding regularly Artist work on the table, stuck into their books, stuck onto learning boards Verbal responses being scribed by adults Large scale if fine motor is a barrier
Social, Emotional and Mental health	Sensory and Physical
Allow access to a quiet area Give them a special role to boost their self-esteem Seat pupil with more confident friend - talking partners Now and next board Sand timer Step by step guides with visuals/pictures/photos	Churky crayons/paintbrushes A range of tools/scissors Gloves for sensory issues Explore new materials Carpet space position Reduce background noise Mixing and painting with body parts