



Design Technology Progression Map

Design

Nursery	Reception	Year 1	Year 2
Design and build through exploration (eg-3 little pigs house) Use materials (straw, crayons, paint) to create a picture.	Use a given criteria in their design- it must include - ...	Design a purposeful and functional product linked to topic.eg – a vase or container for flowers (Van Gogh)	Design a product linked to topic- eg stained glass window, a product for enterprise sales.
Talk about what they are designing as they make or construct.	Make pictures of their design to show what they want to make-construct.	Draw a design and label features.	Draw a design using a template, drawing or ICT. Talk about the design in a presentation of ideas.

Make

Nursery	Reception	Year 1	Year 2
Use and explore a range of tools during continuous provision. Understand that tools need to be used safely.	Begin to choose the right tools for a practical task- Know the tools they are using and name them. Use equipment safely	Use practical tools such as glue guns, scissors, hammers, tape, appropriately and safely to perform a practical task	Use tools efficiently and safely to complete a task.
Explore a range of materials and components when building or constructing. Talk about the characteristics of these. (size, hard, soft, squishy...)	Begin to choose appropriate materials and components for their designs- eg wool or fur for a soft touch cardboard or wood for a stronger construction...	Name the tools they will use. Explore design ideas by arranging materials such as paper, card, ingredients, fabrics, sequins... so that they are used appropriately for different designs.	Continue to select and use a wider range of given tools appropriately eg: knife grater chopping board, scissors, needles, glue guns, tape, range of textiles.



Evaluate

Nursery	Reception	Year 1	Year 2
		Say what they like or dislike about an existing product- appearance, pattern, materials, size.	Evaluate existing products with a given criteria in order to support their own designs.
		Say what they like or dislike about their own product- appearance, pattern, materials, size.	Evaluate their own products and say how they can be improved.

Technical knowledge

Nursery	Reception	Year 1	Year 2
		Experiment with paper folds /shapes to find out which will create a strong structure.	Bridge/Chair challenge- build a bridge or a chair that is free-standing and can hold a weight.
		Design and make a moving picture with a sliding control. Link to topic.	Design and make a 3D pop up card using paper springs. Christmas, Eid, Valentines, Mother/Fathers Day

Cooking and Nutrition

Nursery	Reception	Year 1	Year 2
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		Use a range of basic cooking equipment to create a simple cold dish linked to topic-	Include the different food groups in a healthy menu for Global Community Week- open a restaurant!
	Understand that vegetables and fruit are plant based and meat comes from an animal.	Understand that some foods are grown or produced in different parts of the World.	Farm to Fork – How does the food get to the shops? Where does it come from? Discuss the benefits of local produce.