



‘Inspiring Confident Learners, Reflecting Christian Values’
Design and Technology Progression of Skills Document

Designing			
Nursery	Reception	Year 1	Year 2
<ul style="list-style-type: none"> Explore a range of materials, decide what they would like to make and talk about their ideas for what they would like to make. 	<ul style="list-style-type: none"> Talk about their ideas and draw a simple plan of what they would like to make. Describe what they will use and what they will need. 	<ul style="list-style-type: none"> Design products that have a clear purpose and an intended user. Begin to consider simple design criteria. Explore existing objects and designs to identify what they like and dislike about them. Generate, develop and communicate their ideas through talking and drawing. 	<ul style="list-style-type: none"> Design purposeful, functional, appealing products for themselves and other users based on design criteria. Develop their design as their work progresses. Explore how existing products have been made. Generate, develop, model and communicate their ideas through talking, drawing, templates, mock ups, and where appropriate ICT.

Making			
Nursery	Reception	Year 1	Year 2
<ul style="list-style-type: none"> • Explore different materials freely, to develop their ideas about how to use them and what to make. • Join different materials and explore different textures. • Use one-handed tools and equipment, for example, making snips in paper with scissors. • Begin to cut in a straight line. • Learn how to use different glues and adhesive tapes. • Tear and fold. 	<ul style="list-style-type: none"> • Begin to show accuracy and care when making. • Cut with scissors in a curved line, a zig zag line and cut around a shape • Construct 3D models. • Fold and glue with increasing accuracy. • Use a range of small tools including scissors safely, competently and confidently. • Use different types of glue and adhesive tapes to join and attach materials. 	<ul style="list-style-type: none"> • Construct 3D models including vehicles with free running wheels. • Measure and mark out lines for cutting. • Cut materials safely using tools. • Join textiles with glue or by stitching. • Cut, flatten, roll, shape and glue materials with increasing accuracy. 	<ul style="list-style-type: none"> • Select from and use a range of tools and equipment to perform practical tasks e.g. 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. • Measure and mark out to the nearest centimetre. • Create products with hinges, levers, wheels, winding mechanisms and pop ups. • Shape textiles and join them using a running stitch. • Decorate textiles by printing or using glue on other decorations.

Evaluating			
Nursery	Reception	Year 1	Year 2
<ul style="list-style-type: none"> • Talk about what they have made and how they made it. 	<ul style="list-style-type: none"> • Talk about their own work and the work of others. • Share what they like about their own work, what worked well and how it could be improved. 	<ul style="list-style-type: none"> • Explore existing products and discuss what they like or dislike about them. • Evaluate their own work, sharing what went well and suggesting improvements. 	<ul style="list-style-type: none"> • Explore and evaluate a range of existing products. • Evaluate their ideas and products against design criteria.

Technical Knowledge			
Nursery	Reception	Year 1	Year 2
<ul style="list-style-type: none"> • Build and construct using a variety of materials. • Widen their vocabulary so they can correctly explain what they are doing. 	<ul style="list-style-type: none"> • Build, exploring how to join and attach materials. • Begin to use the correct vocabulary for the materials, tools and processes used. 	<ul style="list-style-type: none"> • Build structures, exploring how materials can be joined securely. • Use the correct vocabulary for the materials, tools and processes used. 	<ul style="list-style-type: none"> • Build structures, exploring how they can be made stronger, stiffer and more stable. • Explore and use mechanisms e.g. levers, sliders, wheels and axles in their products. • Use the correct vocabulary for the materials, tools and processes used.

Cooking and Nutrition			
Nursery	Reception	Year 1	Year 2
<ul style="list-style-type: none"> • Name some ingredients. • Wash hands before working with food. • Cut and spread safely. 	<ul style="list-style-type: none"> • Name a range of ingredients. • Understand the importance of washing hands when handling food. • Work safely to mix, stir, cut and chop. 	<ul style="list-style-type: none"> • Know that all food comes from plants or animals. • Begin to group foods. • Cut and slice in order to prepare food. • Work with food hygienically, understanding the importance of hand washing. • Measure ingredients using measuring cups. • Begin to understand the importance of a healthy and varied diet. 	<ul style="list-style-type: none"> • Group foods with an awareness of the main food groups. • Use the basic principles of a healthy and varied diet to prepare dishes. • Understand where a range of different food comes from. • Work safely to cut, peel or grate ingredients. • Work hygienically and understand why this is important. • Weigh ingredients using electronic scales. • Assemble ingredients to create a dish.