

By the end of Early Years: Children use what they have learnt about media and materials in original ways, thinking about uses and purposes.

Key Objectives	Year 1	Year 2	Year 3	Year 4
Design	<ul style="list-style-type: none"> To generate, develop and communicate their ideas through talking, drawing, templates, mock-ups and, where appropriate, information and communication technology. To design purposeful, functional and appealing products for themselves based on a design criteria. 	<ul style="list-style-type: none"> To generate, develop and communicate their ideas through talking, drawing, templates, mock-ups and, where appropriate, information and communication technology. To design purposeful, functional and appealing products for themselves and others based on design criteria. 	<ul style="list-style-type: none"> To use research to design products that are fit for a purpose, aimed at particular individuals or groups. To generate, develop, and communicate their ideas through discussion, annotated sketches and information and communication technology. 	<ul style="list-style-type: none"> To use research to design products that are fit for a purpose, aimed at particular individuals or groups. To generate, develop, and communicate their ideas through discussion, annotated sketches and information and communication technology. Create a design criteria using prior knowledge
Make	<ul style="list-style-type: none"> To select from and use a range of tools and equipment to perform practical tasks (cutting, shaping, joining, finishing). To select from and use a wide range of materials and components, including construction materials and ingredients according to their characteristics. 	<ul style="list-style-type: none"> To select from and use a range of tools and equipment to perform practical tasks (cutting, shaping, joining, finishing). To select from and use a wide range of materials and components, including construction materials, ingredients and textiles according to their characteristics. 	<ul style="list-style-type: none"> To select from and use a wider range of tools and equipment to perform practical tasks (cutting, shaping, joining and finishing). To select from and use a wider range of materials and components, including construction materials, textiles and ingredients, according to their characteristics. 	<ul style="list-style-type: none"> To select from and use a wider range of tools and equipment to perform practical tasks (cutting, shaping, joining and finishing). To select from and use a wider range of materials and components, including construction materials, textiles and ingredients, according to their characteristics.
Evaluate	<ul style="list-style-type: none"> To explore a range of existing products. To evaluate their ideas and products. 	<ul style="list-style-type: none"> To explore and evaluate a range of existing products. To evaluate their ideas and products against design criteria. 	<ul style="list-style-type: none"> To investigate a range of existing products. To evaluate their ideas and products against the design criteria and consider the views of others to improve their work. 	<ul style="list-style-type: none"> To investigate a range of existing products. To evaluate their ideas and products against the design criteria and consider the views of others to improve their work.

Technical knowledge	<ul style="list-style-type: none"> • To build structures, exploring how they can be made stronger, stiffer and more stable 	<ul style="list-style-type: none"> • To explore and use mechanisms (levers, sliders, wheels and axles) in their products 	<ul style="list-style-type: none"> • To develop their understanding of how to strengthen, stiffen and reinforce structures. • To explore and use mechanical systems in their products (gears, pulleys, cams, levers and linkages) 	<ul style="list-style-type: none"> • To explore and use electrical systems in their products (series circuits incorporating switches, bulbs, and buzzers)
Cooking and Nutrition	<ul style="list-style-type: none"> • Use the basic principles of a healthy and varied diet to prepare dishes. • Understand where food comes from. 	<ul style="list-style-type: none"> • Use the basic principles of a healthy and varied diet to prepare dishes. • Understand where food comes from. 	<ul style="list-style-type: none"> • Understand and apply the principles of a healthy and varied diet • Cook a repertoire of predominantly savoury dishes so that they are able to feed themselves and others a healthy and varied diet • Become competent in a range of cooking techniques [for example, selecting and preparing ingredients; using utensils and electrical equipment; applying heat in different ways; using awareness of taste, texture and smell to decide how to season dishes and combine ingredients; adapting and using their own recipes] • Understand the source, seasonality and characteristics of a broad range of ingredients 	<ul style="list-style-type: none"> • Understand and apply the principles of a healthy and varied diet • Cook a repertoire of predominantly savoury dishes so that they are able to feed themselves and others a healthy and varied diet • Become competent in a range of cooking techniques [for example, selecting and preparing ingredients; using utensils and electrical equipment; applying heat in different ways; using awareness of taste, texture and smell to decide how to season dishes and combine ingredients; adapting and using their own recipes] • Understand the source, seasonality and characteristics of a broad range of ingredients