



# DT Overview – Skills Coverage



KS1 Curriculum Statements  
KS2 Curriculum Statements

	Mechanisms	Textile/Construction	Cooking/Nutrition
Year 1	<p><b>Let's Make a Moving Picture!</b></p> <p>explore and use mechanisms (levers and sliders) in their products.</p> <p>select from and use a range of tools and equipment to perform practical tasks</p> <p>design purposeful, functional, appealing products for themselves and other users based on design criteria</p> <p>generate, develop, model and communicate their ideas through talking, drawing</p> <p>evaluate their ideas and products against design criteria</p>	<p><b>Let's Build a House!</b></p> <p>build structures, exploring how they can be made stronger, stiffer and more stable</p> <p>select from and use a wide range of materials and components, including construction materials, according to their characteristics</p> <p>select from and use a range of tools and equipment to perform practical tasks</p> <p>generate, develop, model and communicate their ideas through talking, drawing</p> <p>evaluate their ideas and products against design criteria</p>	<p><b>Let's Prepare Healthy Fruit Smoothies!</b></p> <p>understand where food comes from</p> <p>select from and use a wide range of materials and components, including ingredients, according to their characteristics</p> <p>evaluate their ideas and products against design criteria</p>
Year 2	<p><b>Let's take a ride!</b></p> <p>select from and use a range of tools and equipment to perform practical tasks</p> <p>design purposeful, functional, appealing products for themselves and other users based on design criteria</p> <p>evaluate their ideas and products against design criteria</p>	<p><b>Let's Sew Puppets!</b></p> <p>select from and use a wide range of textiles according to their characteristics</p> <p>select from and use a range of tools and equipment to perform practical tasks</p> <p>evaluate their ideas and products against design criteria</p>	<p><b>Let's Prepare Sensational Spring Salad!</b></p> <p>use the basic principles of a healthy and varied diet to prepare dishes</p> <p>select from and use a wide range of materials and components, including ingredients, according to their characteristics</p>

	<p>explore and use mechanisms (wheels and axles) in their products.</p> <p>generate, develop, model and communicate their ideas through talking, drawing, templates, mock-ups and, where appropriate, information and communication technology</p>	<p>design purposeful, functional, appealing products for themselves and other users based on design criteria</p> <p>explore and evaluate a range of existing products</p> <p>generate, develop, model and communicate their ideas through talking, drawing, templates, mock-ups and, where appropriate, information and communication technology</p>	<p>select from and use a range of tools and equipment to perform practical tasks</p> <p>generate, develop, model and communicate their ideas through talking, drawing, templates, information and communication technology</p> <p>evaluate their ideas and products against design criteria</p>
<p>Year 3</p>	<p><b>Let's Build a Roman Catapult!</b></p> <p>understand and use mechanical systems in their products [for example, pulleys, levers)</p> <p>use research and develop design criteria to inform the design of innovative, functional, appealing products that are fit for purpose, aimed at particular individuals or groups</p> <p>generate, develop, model and communicate their ideas through discussion, annotated sketches, cross-sectional and exploded diagrams, prototypes</p> <p>select from and use a wider range of tools and equipment to perform practical tasks</p> <p>select from and use a wider range of materials and components, including construction materials, according to their functional properties</p>	<p><b>Let's Build A Marble Run!</b></p> <p>apply their understanding of how to strengthen, stiffen and reinforce more complex structures</p> <p>use research and develop design criteria to inform the design of innovative, functional, appealing products that are fit for purpose, aimed at particular individuals or groups</p> <p>generate, develop, model and communicate their ideas through discussion, annotated sketches</p> <p>select from and use a wider range of tools and equipment to perform practical tasks</p> <p>select from and use a wider range of materials and components, including construction materials, according to their functional properties</p> <p>investigate and analyse a range of existing products</p>	<p><b>Let's collect, catch and cook!</b></p> <p>know where and how a variety of ingredients are grown, reared, caught and processed</p> <p>prepare and cook a savoury dish</p> <p>understand seasonality</p>

	<p>investigate and analyse a range of existing products</p> <p>evaluate their ideas and products against their own design criteria and consider the views of others to improve their work</p> <p>understand how design and technology has helped shape the world</p>	<p>evaluate their ideas and products against their own design criteria and consider the views of others to improve their work</p>	
<p>Year 4</p>	<p><b>Let's Make it Move!</b></p> <p>understand and use mechanical systems in their products [cams]</p> <p>generate, develop, model and communicate their ideas through discussion, annotated sketches,</p> <p>select from and use a wider range of tools and equipment to perform practical tasks</p> <p>select from and use a wider range of materials and components, including construction materials</p>	<p><b>Let's Sew Class Bunting!</b></p> <p>use research and develop design criteria to inform the design of innovative, functional, appealing products that are fit for purpose, aimed at particular individuals or groups</p> <p>generate, develop, model and communicate their ideas through discussion, annotated sketches, prototypes, pattern pieces</p> <p>select from and use a wider range of tools and equipment to perform practical tasks</p> <p>select from and use a wider range of materials and components, textiles according to their functional properties and aesthetic qualities</p> <p>evaluate their ideas and products against their own design criteria and consider the views of others to improve their work</p>	<p><b>Let's Prepare Fairtrade Cereal Bars!</b></p> <p>understand and apply the principles of a healthy and varied diet</p> <p>prepare and cook using a range of cooking techniques</p> <p>understand seasonality</p> <p>select from and use a wider range of materials and components, including ingredients, according to their functional properties and aesthetic qualities</p> <p>investigate and analyse a range of existing products</p>

<p><b>Year 5</b></p>	<p><b>Let's Turn On the Lights!</b></p> <p>understand and use electrical systems in their products [for example, series circuits incorporating switches, bulbs</p> <p>use research and develop design criteria to inform the design of innovative, functional, appealing products that are fit for purpose, aimed at particular individuals or groups</p> <p>select from and use a wider range of tools and equipment to perform practical tasks</p> <p>generate, develop, model and communicate their ideas through discussion, annotated sketches, cross-sectional and exploded diagrams, prototypes</p> <p>investigate and analyse a range of existing products</p> <p>evaluate their ideas and products against their own design criteria and consider the views of others to improve their work</p> <p>understand how key events and individuals in design and technology have helped shape the world</p>	<p><b>Let's Sew a Coin Purse!</b></p> <p>use research and develop design criteria to inform the design of innovative, functional, appealing products that are fit for purpose, aimed at particular individuals or groups</p> <p>select from and use a wider range of tools and equipment to perform practical tasks</p> <p>select from and use a wider range of materials and components, textiles according to their functional properties and aesthetic qualities</p> <p>evaluate their ideas and products against their own design criteria and consider the views of others to improve their work</p>	<p><b>A Feast Fit for a Greek God</b></p> <p>understand and apply the principles of a healthy and varied diet</p> <p>prepare and cook a savoury dishes using a range of cooking techniques</p> <p>understand seasonality, and know where and how a variety of ingredients are grown, reared, caught and processed.</p> <p>select from and use a wider range of materials and components, including ingredients, according to their functional properties and aesthetic qualities</p>
<p><b>Year 6</b></p>	<p><b>All the Fun of the Fair!</b></p> <p>apply their understanding of how to strengthen, stiffen and reinforce more complex structures</p>		<p><b>Let's Prepare Some Rations!</b></p>

understand and use electrical systems in their products [for example, series circuits incorporating switches, bulbs

apply their understanding of computing to program, monitor and control their products

use research and develop design criteria to inform the design of innovative, functional, appealing products that are fit for purpose, aimed at particular individuals or groups

generate, develop, model and communicate their ideas through discussion, annotated sketches, cross-sectional and exploded diagrams, prototypes

select from and use a wider range of tools and equipment to perform practical tasks

select from and use a wider range of materials and components, including construction materials, according to their functional properties and aesthetic qualities

investigate and analyse a range of existing products

evaluate their ideas and products against their own design criteria and consider the views of others to improve their work

understand how key events and individuals in design and technology have helped shape the world

understand and apply the principles of a healthy and varied diet

prepare and cook a variety of predominantly savoury dishes using a range of cooking techniques

understand seasonality, and know where and how a variety of ingredients are grown, reared, caught and processed.

investigate and analyse a range of existing products

understand how key events and individuals in design and technology have helped shape the world