

Croft C of E Primary School – Progression Pathway for Design Technology 2021



Curriculum Intent – Our vision and values are at the core of everything we do. They underpin our teaching and learning, and provide an environment which prepares our pupils as confident, happy citizens.

Croft Vision: We are very proud of our new vision that was developed in conjunction with staff, governors, parents and children:

‘A caring Christian community where children thrive: enthusiasm and excellence lead to high aspirations and outstanding achievements’

Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
<p>Design</p> <ul style="list-style-type: none"> · Design purposeful, functional, appealing products for themselves and other users based on design criteria. · Generate, develop, model and communicate their ideas through talking, drawing, templates, mock-ups and, where appropriate, information and communication technology. 	<p>Design</p> <ul style="list-style-type: none"> · Design purposeful, functional, appealing products for themselves and other users based on design criteria. · Generate, develop, model and communicate their ideas through talking, drawing, templates, mock-ups and, where appropriate, information and communication technology. 	<p>Design</p> <ul style="list-style-type: none"> · 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 and pattern pieces. 	<p>Design</p> <ul style="list-style-type: none"> · 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, pattern pieces and computer-aided design. 	<p>Design</p> <ul style="list-style-type: none"> · 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, pattern pieces and computer-aided design. 	<p>Design</p> <ul style="list-style-type: none"> · 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, exploded diagrams, prototypes and computer-aided design.

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<p>Make</p> <ul style="list-style-type: none"> · 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. 	<p>Make</p> <ul style="list-style-type: none"> · 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. 	<p>Make</p> <ul style="list-style-type: none"> · Select from and use a wider range of tools and equipment to perform practical tasks [for example, cutting, shaping, joining and finishing], accurately. · Select from and use a wider range of materials and components, including construction materials, textiles and ingredients, according to their functional properties and aesthetic qualities. 	<p>Make</p> <ul style="list-style-type: none"> · Select from and use a wider range of tools and equipment to perform practical tasks [for example, cutting, shaping, joining and finishing], accurately. · Select from and use a wider range of materials and components, including construction materials, textiles and ingredients, according to their functional properties and aesthetic qualities. 	<p>Make</p> <ul style="list-style-type: none"> · Select from and use a wider range of tools and equipment to perform practical tasks [for example, cutting, shaping, joining and finishing], accurately. · Select from and use a wider range of materials and components, including construction materials, textiles and ingredients, according to their functional properties and aesthetic qualities. 	<p>Make</p> <ul style="list-style-type: none"> · Select from and use a wider range of tools and equipment to perform practical tasks [for example, cutting, shaping, joining and finishing], accurately. · Select from and use a wider range of materials and components, including construction materials, textiles and ingredients, according to their functional properties and aesthetic qualities.
<p>Evaluate</p> <ul style="list-style-type: none"> · Explore and evaluate a range of existing products. 	<p>Evaluate</p> <ul style="list-style-type: none"> · Explore and evaluate a range of existing products. 	<p>Evaluate</p> <ul style="list-style-type: none"> · Investigate and analyse a range of existing products. · Evaluate their ideas 	<p>Evaluate</p> <ul style="list-style-type: none"> · Investigate and analyse a range of existing products. · Evaluate their 	<p>Evaluate</p> <ul style="list-style-type: none"> · Investigate and analyse a range of existing products. 	<p>Evaluate</p> <ul style="list-style-type: none"> · Investigate and analyse a range of existing products.

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<ul style="list-style-type: none"> · Evaluate their ideas and products against design criteria. 	<ul style="list-style-type: none"> · Evaluate their ideas and products against design criteria. 	<p>and products against their own design criteria and consider the views of others to improve their work.</p> <ul style="list-style-type: none"> · Understand how key events and individuals in design and technology have helped shape the world. 	<p>ideas and products against their own design criteria and consider the views of others to improve their work.</p> <ul style="list-style-type: none"> · Understand how key events and individuals in design and technology have helped shape the world. 	<ul style="list-style-type: none"> · 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. 	<ul style="list-style-type: none"> · 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.
<p>Technical knowledge</p> <ul style="list-style-type: none"> · Explore and use mechanisms wheels and axles levers, sliders], in their products. 	<p>Technical knowledge</p> <ul style="list-style-type: none"> · Build structures, exploring how they can be made stronger, stiffer and more stable. · Explore and use mechanisms 	<p>Technical knowledge</p> <ul style="list-style-type: none"> · Apply their understanding of how to strengthen, stiffen and reinforce more complex structures. · Understand and use mechanical systems in their products: levers and linkages. · Apply their understanding of computing to program, monitor and control their products. 	<p>Technical knowledge</p> <ul style="list-style-type: none"> · Apply their understanding of how to strengthen, stiffen and reinforce more complex structures. · Understand and use mechanical systems in their products: Understand and use electrical systems in their products [for example, series circuits incorporating switches, bulbs, 	<p>Technical knowledge</p> <ul style="list-style-type: none"> · Apply their understanding of how to strengthen, stiffen and reinforce more complex structures. <p>Understand and use mechanical systems in their products: cams</p> <p>Apply their understanding of computing to program, monitor</p>	<p>Technical knowledge</p> <ul style="list-style-type: none"> · Apply their understanding of how to strengthen, stiffen and reinforce more complex structures. · Understand and use mechanical systems in their products [for example: gears and pulleys · Understand and use electrical systems in their products [for example, series circuits incorporating switches,

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			<p>buzzers].</p> <ul style="list-style-type: none"> · Apply their understanding of computing to program, monitor and control their products. 	<p>and control their products.</p>	<p>bulbs, buzzers and motors].</p> <ul style="list-style-type: none"> · Apply their understanding of computing to program, monitor and control their products.
<p>Cooking and nutrition</p> <ul style="list-style-type: none"> · Use the basic principles of a healthy and varied diet to prepare dishes. · Understand where food comes from. 	<p>Cooking and nutrition</p> <ul style="list-style-type: none"> · Use the basic principles of a healthy and varied diet to prepare dishes. · Understand where food comes from. 	<p>Cooking and nutrition</p> <ul style="list-style-type: none"> · 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. 	<p>Cooking and nutrition</p> <ul style="list-style-type: none"> · 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. 		<p>Cooking and nutrition</p> <ul style="list-style-type: none"> · 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.
<p>Curriculum Impact -</p>					