



Churchside Federation Long Term Planning

Subject: D.T. 2023-2024



| | Autumn 1 | Autumn 2 | Spring 1 | Spring 2 | Summer 1 | Summer 2 |
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| Nursery Development Matters | <p>Explore different materials freely to develop their ideas about how to use them and what to make.</p> <p>Develop their own ideas and then decide which materials to use to express them.</p> <p>Join different materials and explore different textures</p> | | | | | |
| Reception | <p>Safely use and explore a variety of materials, tools and techniques, experimenting with colour, design, texture, form and function.</p> <p>Share their creations, explaining the process they have used.</p> <p>Make use of props and materials when role playing characters in narratives and stories.</p> | | | | | |
| Year One | <p>Design and make – Moving Pictures, vehicle link.</p> <p>-design purposeful, functional, appealing products for themselves and other users based on design criteria</p> <p>-select from and use a range of tools and equipment to perform practical tasks [for example, cutting, shaping, joining and finishing</p> <p>build structures, exploring how they can be made stronger, stiffer and more stable explore and use mechanisms [for example,</p> | <p>Design and make – Clothing</p> <p>-design purposeful, functional, appealing products for themselves and other users based on design criteria</p> <p>-select from and use a range of tools and equipment to perform practical tasks [for example, cutting, shaping, joining and finishing</p> | | <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>Junk Modelling</p> <p>-design purposeful, functional, appealing products for themselves and other users based on design criteria</p> <p>-select from and use a range of tools and equipment to perform practical tasks [for example, cutting, shaping, joining and finishing</p> <p>explore and evaluate a range of existing products evaluate their ideas and products against design criteria</p> |



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| | levers, sliders, wheels and axles], in their products. | | | | | |
| Year Two | <p>Design and make fridge magnets</p> <p>DT1/1.1a design purposeful, functional, appealing products for themselves and other users based on design criteria</p> <p>DT1/1.1b generate, develop, model and communicate their ideas through talking, drawing, templates, mock-ups and, where appropriate, information and communication technology</p> | <p>Links to Journeys - Wood Work, design and make a toy car.</p> <p>DT1/1.1a design purposeful, functional, appealing products for themselves and other users based on design criteria</p> <p>DT1/1.1b generate, develop, model and communicate their ideas through talking, drawing, templates, mock-ups and, where appropriate, information and communication technology</p> <p>build structures, exploring how they can be made stronger, stiffer and more stable explore and use mechanisms [for example, levers, sliders, wheels and axles], in their products.</p> | <p>Sewing - Hand puppets</p> <p>DT1/1.1a design purposeful, functional, appealing products for themselves and other users based on design criteria</p> <p>DT1/1.1b generate, develop, model and communicate their ideas through talking, drawing, templates, mock-ups and, where appropriate, information and communication technology</p> <p>explore and evaluate a range of existing products evaluate their ideas and products against design criteria</p> | <p>Creating meals – exploring changes within mixing foods.</p> <p>DT1/1.1a design purposeful, functional, appealing products for themselves and other users based on design criteria</p> <p>DT1/1.1b generate, develop, model and communicate their ideas through talking, drawing, templates, mock-ups and, where appropriate, information and communication technology</p> <p>use the basic principles of a healthy and varied diet to prepare dishes understand where food comes from</p> | | |
| Year Three | <p>Cooking and nutrition - 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> | | <p>Textiles- 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,</p> | | <p>Design and make</p> <p>DT1/1.1a design purposeful, functional, appealing products for themselves and other users based on design criteria</p> <p>DT1/1.1b generate, develop, model and communicate their ideas through talking, drawing,</p> | |



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| | | | including construction materials, textiles and ingredients, according to their functional properties and aesthetic qualities. | | templates, mock-ups and, where appropriate, information and communication technology | |
| Year Four | | Design and make – Puppets -generate, develop, model and communicate their ideas through discussion, annotated sketches, cross-sectional and exploded diagrams, prototypes, pattern pieces and computer-aided design -evaluate their ideas and products against their own design criteria and consider the views of others to improve their work. | | Cooking and nutrition -understand and apply the principles of a healthy and varied diet. | Structures – musical instruments -understand and use mechanical systems in their products | |
| Year Five | Structures - Bridges NC: apply their understanding of how to strengthen, stiffen and reinforce more complex structures NC: understand and use mechanical systems in their products [for example, gears, pulleys, cams, levers and linkages] | | Cooking - Bread making. NC: prepare and cook a variety of predominantly savoury dishes using a range of cooking techniques | | Textiles - Cross Stitch NC: generate, develop, model and communicate their ideas through discussion, annotated sketches, cross-sectional and exploded diagrams, prototypes, pattern pieces and computer-aided design NC: select from and use a wider range of materials and components, including construction materials, textiles and | |



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| | | | | | ingredients, according to their functional properties and aesthetic qualities | |
| Year Six | Migration and movement: | Evolution and Inheritance: | Enterprise and activism: 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. | Utopia vs Dystopia: | Fate vs Free will: | <p>Crossing borders:</p> <p>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> <p>apply their understanding of how to strengthen, stiffen and reinforce more complex structures</p> |
| Events: | | | | | | |