

Design Technology at Peel Park (Scheme - Kapow)



Autumn Term 2

EYFS	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
<p>Cooking and nutrition: Soup</p> <p>Lesson Sequence: L1: Fantastic fruits and vegetables <u>L1: I can explore fruits and vegetables and say the differences between them.</u></p> <p>L2: Pumpkin Soup <u>L1: I can explore a pumpkin and use my 5 senses to describe it.</u></p> <p>L3: Designing Soup <u>L1: I can design a pumpkin soup.</u></p>	<p>Mechanisms: Making a moving story book.</p> <p>Lesson Sequence: L1: Exploring sliders and movement <u>L1: To explore making mechanisms.</u></p> <p>L2: Design <u>L1: To design a moving storybook.</u></p> <p>L3: Construction <u>L1: To construct a moving picture.</u></p> <p>L4: Construction continued <u>L1: To construct a moving picture.</u></p>	<p>Cooking and nutrition: A balanced diet</p> <p>Lesson Sequence: L1: Food groups <u>L1: To recognise foods and their food groups.</u></p> <p>L2: Balanced meals <u>L1: To identify the balance of food groups in a meal.</u></p> <p>L3: Preparing ingredients <u>L1: To identify an appropriate piece of equipment to prepare a given food.</u></p>	<p>Structures: constructing a castle</p> <p>Lesson Sequence: L1: Features of a castle <u>L1: To recognise how multiple shapes (2D and 3D) are combined to form a strong and stable structure.</u></p> <p>L2: Designing a castle <u>L1: To design a castle.</u></p> <p>L3: Nets and structures <u>L1: To construct 3D nets.</u></p>	<p>Cooking and nutrition: Adapting a recipe</p> <p>Lesson Sequence: L1: Existing biscuits <u>L1: To evaluate existing biscuit products.</u></p> <p>L2: Basic biscuits <u>L1: To prepare and cook a dish.</u></p> <p>L3: Budgeting <u>L1: To select ingredients and follow a budget.</u></p> <p>L4: Packaging <u>L1: To take inspiration from existing products.</u></p>	<p>Mechanisms: Pop-up book</p> <p>Lesson Sequence: L1: Pop-up book page design <u>L1: To design a pop-up book.</u></p> <p>L2: Making my pop-up book <u>L1: To follow my design brief to make my pop-up book.</u></p> <p>L3: Using layers and spacers <u>L1: To use layers and spacers to cover the working of mechanisms.</u></p>	<p>Textiles: Waistcoats</p> <p>Lesson Sequence: L1: Waistcoat design <u>L1: To design a waistcoat.</u></p> <p>L2: Preparing fabric <u>L1: To mark and cut fabric according to a design.</u></p> <p>L3: Assembling my waistcoat <u>L1: To assemble a waistcoat.</u></p> <p>L4: Assembling my waistcoat continued <u>L1: To assemble a waistcoat.</u></p>

<p>L4: Fine Motor Skills <u>LI: I can use a knife safely.</u></p> <p>L5: Making Soup <u>LI: I can observe and safely use equipment to prepare ingredients.</u></p> <p>L6: Designing Soup Packaging <u>LI: I can design food packaging.</u></p>	<p>L5: Testing and evaluation <u>LI: To evaluate my finished product.</u></p> <p>L6: Unit Assessment</p>	<p>L4: Taste testing ingredients <u>LI: To select balanced combinations of ingredients.</u></p> <p>L5: Planning recipes <u>LI: To design based on criteria.</u></p> <p>L6: Creating and evaluating wraps <u>LI: To evaluate a dish based on design criteria.</u></p> <p>L7: Unit Assessment</p>	<p>L4: Building a castle <u>LI: To construct my design</u></p> <p>L5: Building a castle continued <u>LI: To evaluate my my final product.</u></p> <p>L6: Unit Assessment</p>	<p>L5: Market research <u>LI: To make and test a prototype biscuit.</u></p> <p>L6: Evaluating biscuits <u>LI: To evaluate a final product.</u></p> <p>L7: Unit Assessment</p>	<p>L4: Writing and illustrating <u>LI: To create a high-quality product suitable for a target user.</u></p> <p>L5: Testing and evaluation <u>LI: To evaluate my finished product.</u></p> <p>L6: Unit Assessment</p>	<p>L5: Decorating my waistcoat <u>LI: To decorate your waistcoat.</u></p> <p>L6: Showcase my design and evaluate <u>LI: To organise a fashion show to showcase my design and evaluate against the design brief.</u></p> <p>L7: Unit Assessment</p>
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Spring Term 2

EYFS	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
<p>Structures: Junk Modelling (Spring 1)</p> <p>Lesson Sequence: LI: Exploring Junk Modelling <u>LI: I can explore and investigate the</u></p>	<p>Textiles: Puppets</p> <p>Lesson Sequence: LI: Joining fabrics <u>LI: To join fabrics together using different methods.</u></p>	<p>Mechanisms: Fairground wheel</p> <p>Lesson Sequence: LI: Design a fairground wheel <u>LI: To explore wheel mechanisms and</u></p>	<p>Cooking and nutrition: Eating seasonally</p> <p>Lesson Sequence: LI: Food around the world <u>LI: To explain why food comes from</u></p>	<p>Electrical systems: Torches</p> <p>Lesson Sequence: LI: Electrical products <u>LI: To learn about electrical items and how they work.</u></p>	<p>Structures: Bridges</p> <p>Lesson Sequence: LI: Arch and beam bridges <u>LI: To explore how to reinforce a beam (structure) to improve its strength.</u></p>	<p>Structures playground:</p> <p>Lesson Sequence: LI: Design a new playground <u>LI: To design a playground with a variety of structures.</u></p>

<p><u>tools and materials in the junk modelling area.</u></p> <p>L2: Cutting and Scissor Skills <u>LI: I can investigate cutting different materials.</u></p> <p>L3: Choosing Resources <u>LI: I can learn how to plan and select the correct resources needed to make a model.</u></p> <p>L4: Making Models <u>LI: I can verbally plan and create a junk model.</u></p> <p>L5: Evaluation and Presentation <u>LI: I can share a finished model and talk about the processes in its creation.</u></p> <p>L6: Temporary Joins <u>LI: I can explore different ways to</u></p>	<p>L2: Designing my puppet <u>LI: To use a template to create my design.</u></p> <p>L3: Making and joining my puppet <u>LI: To join two fabrics together accurately.</u></p> <p>L4: Decorating my puppet <u>LI: To embellish my design using joining methods.</u></p> <p>L5: Unit Assessment</p>	<p><u>design a fairground wheel.</u></p> <p>L2: Planning the build <u>LI: To select materials with appropriate properties.</u></p> <p>L3: Building the frame and wheels <u>LI: To build and test a moving wheel.</u></p> <p>L4: Surveying design opinions <u>LI: To conduct a simple survey to gather opinions.</u></p> <p>L5: Adding pods and decoration <u>LI: To finish and evaluate a structure with a rotating wheel.</u></p> <p>L6: Unit Assessment</p>	<p><u>different places around the world.</u></p> <p>L2: Seasonal foods <u>LI: To explain the benefits of seasonal foods.</u></p> <p>L3: Cutting and peeling <u>LI: To develop cutting and peeling skills.</u></p> <p>L4: Tasting seasonal ingredients and making a mock-up <u>LI: To evaluate seasonal ingredients. To design a mock-up using criteria.</u></p> <p>L5: Evaluating seasonal tarts <u>LI: To evaluate a dish.</u></p> <p>L6: Unit Assessment</p>	<p>L2: Evaluating torches <u>LI: To analyse and evaluate electrical products.</u></p> <p>L3: Torch design <u>LI: To design a product to fit a set of specific user needs.</u></p> <p>L4: Assembling a torch <u>LI: To make and evaluate a torch.</u></p> <p>L5: Unit Assessment</p>	<p>L2: Spaghetti truss bridges <u>LI: To build a spaghetti truss bridge.</u></p> <p>L3: Building bridges <u>LI: To build a wooden truss bridge.</u></p> <p>L4: Finalising bridges <u>LI: To complete, reinforce and evaluate my truss bridge.</u></p> <p>L5: Unit Assessment</p>	<p>L2: Building structures <u>LI: To build a range of structures.</u></p> <p>L3: Perfecting structures <u>LI: To improve and add detail to structures.</u></p> <p>L4: Playground landscapes <u>LI: To create a surrounding landscape.</u></p> <p>L5: Finalising playgrounds <u>LI: To complete, reinforce and evaluate my structure</u></p> <p>L6: Unit Assessment</p>
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<u>temporarily join materials together.</u>						
Summer Term 2						
EYFS	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
<p>Structures: Boats</p> <p>Lesson Sequence: L1: Waterproof Materials <u>L1: I can test whether materials are waterproof.</u></p> <p>L2: Floating and Sinking <u>L1: I can predictions and test for which materials float or sink.</u></p> <p>L3: Boats <u>L1: I can compare the uses of boats.</u></p> <p>L4: Investigating Boats <u>L1: I can investigate how the shape and structure of boats affects the way they move</u></p> <p>L5: Designing Boats</p>	<p>Cooking and nutrition: Smoothies</p> <p>Lesson Sequence: L1: Fruits <u>L1: To identify fruits.</u></p> <p>L2: Growing <u>L1: To describe where fruits and vegetables grow.</u></p> <p>L3: Cutting and juicing <u>L1: To practise food preparation skills.</u></p> <p>L4: Testing ingredients <u>L1: To select ingredients for a recipe.</u></p> <p>L5: Making smoothies</p>	<p>Textiles: Pouches.</p> <p>Lesson Sequence: L1: Running stitch <u>L1: To sew a running stitch.</u></p> <p>L2: Using a template <u>L1: To sew a running stitch.</u></p> <p>L3: Making a pouch <u>L1: To join fabrics using a running stitch.</u></p> <p>L4: Making a pouch continued <u>L1: To join fabrics using a running stitch.</u></p> <p>L5: Decorating a pouch <u>L1: To decorate a pouch using fabric glue or stitching.</u></p> <p>L6: Unit Assessment</p>	<p>Textiles: Cross-stitch and appliqué - Egyptian Collars</p> <p>Lesson Sequence: L1: Cross-stitch and appliqué <u>L1: To learn how to sew cross-stitch and appliqué.</u></p> <p>L2: Egyptian collars <u>L1: To develop and use a template.</u></p> <p>L3: Developing the collars <u>L1: To assemble fabric parts into a fabric product.</u></p> <p>L4: Finishing their collars <u>L1: To decorate fabric using appliqué and cross-stitch.</u></p> <p>L5: Evaluating</p>	<p>Structure Pavilions:</p> <p>Lesson Sequence: L1: Exploring frame structures <u>L1: To create a range of different shaped frame structures.</u></p> <p>L2: Designing a pavilion <u>L1: To design a structure.</u></p> <p>L3: Pavilion frame <u>L1: To build a frame structure.</u></p> <p>L4: Pavilion cladding <u>L1: To add cladding to a frame structure.</u></p> <p>L5: Evaluating <u>L1: To evaluate against the design brief.</u></p> <p>L6: Unit Assessment</p>	<p>Cooking and nutrition: Developing a recipe</p> <p>Lesson Sequence: L1: From farm to fork <u>L1: To understand how ingredients are reared and processed.</u></p> <p>L2: Different choices <u>L1: To make adaptations to design a recipe.</u></p> <p>L3: Nutritional value <u>L1: To evaluate nutritional content.</u></p> <p>L4: Preparing ingredients <u>L1: To practise food preparation skills.</u></p> <p>L5: Designing labels <u>L1: To design a product label.</u></p> <p>L6: Making Bolognese</p>	<p>Cooking and nutrition: Come dine with me.</p> <p>Lesson Sequence: L1: Complementary flavours <u>L1: To explain the use of complementary flavours.</u></p> <p>L2: Three ingredients; three courses <u>L1: To research and design a three-course meal.</u></p> <p>L3: Ingredients and skills <u>L1: To explain recipe choices.</u></p> <p>L4: To start... <u>L1: To apply culinary skills and knowledge.</u></p> <p>L5: The main course <u>L1: To apply culinary skills and knowledge.</u></p>

<p><u>L1: I can design a boat.</u></p> <p>L6: Creating and Testing Boats</p> <p><u>L1: I can create a boat based upon their own design.</u></p>	<p><u>L1: To apply food preparation skills to a recipe.</u></p> <p>L6: Evaluating</p> <p><u>L1: To evaluate against the design brief.</u></p> <p>L7: Unit Assessment</p>		<p><u>L1: To evaluate against the design brief.</u></p> <p>L6: Unit Assessment</p>		<p><u>L1: To follow and make an adapted recipe.</u></p> <p>L7: Unit Assessment</p>	<p>L6: Dessert</p> <p><u>L1: To apply culinary skills and knowledge.</u></p> <p>L7: Unit Assessment</p>
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