




Learning objectives and skills

Advent - Storybooks		Lent - American Food		Pentecost – Lighthouses, buildings and alarms.	
1. To investigate and evaluate products with lever and linkage systems. <ul style="list-style-type: none">Evaluate products and identify criteria that can be used for their own designs	7. To be able to plan and design a storybook. <ul style="list-style-type: none">Generate ideas, considering the purposes for which they are designing	1. To understand how we work hygienically and safely with ingredients and apparatus. <ul style="list-style-type: none">Evaluate products and identify criteria that can be used for their own designs	7. To learn about the cultural significance of chillies in Mexican cooking, and about how American food is heavily influenced by food from other cultures. (Fajitas) <ul style="list-style-type: none">Generate ideas, considering the purposes for which they are designingMake labelled drawings from different views showing specific featuresSelect appropriate tools and techniques for making their productMeasure, mark out, cut and shape a range of materials, using appropriate tools, equipment and techniquesJoin and combine materials and components accurately in temporary and permanent ways	1. To understand what a light house needs. <ul style="list-style-type: none">Make labelled drawings from different views showing specific features.	7. To be able to build the frame of my building. <ul style="list-style-type: none">Select appropriate tools and techniques for making their productMeasure, mark out, cut and shape a range of materials, using appropriate tools, equipment and techniquesJoin and combine materials and components accurately in temporary and permanent ways
2. To experiment with a range of techniques to create moving mechanisms. (Paper concertina) <ul style="list-style-type: none">Make labelled drawings from different views showing specific features.Develop a clear idea of what has to be done, planning how to use materials, equipment and processes, and suggesting alternative methods of making, if the first attempts fail.Select appropriate tools and techniques for making their productMeasure, mark out, cut and shape a range of materials, using appropriate tools, equipment and techniquesJoin and combine materials and components accurately in temporary and permanent ways	8. To be able to make a storybook with moving mechanisms using a design. <ul style="list-style-type: none">Develop a clear idea of what has to be done, planning how to use materials, equipment and processes, and suggesting alternative methods of making, if the first attempts failSelect appropriate tools and techniques for making their productMeasure, mark out, cut and shape a range of materials, using appropriate tools, equipment and techniquesJoin and combine materials and components accurately in temporary and permanent ways	2. To understand how we can evaluate food. <ul style="list-style-type: none">Evaluate products and identify criteria that can be used for their own designs	8. To learn about the cultural significance of chillies in Mexican cooking, and about how American food is heavily influenced by food from other cultures. (Tex-Mex Taste Test!) <ul style="list-style-type: none">Evaluate products and identify criteria that can be used for their own designsprepare and cook a variety of predominantly savoury dishes using a range of cooking techniques	2. To create the circuit for my lighthouse. <ul style="list-style-type: none">Select appropriate tools and techniques for making their productMeasure, mark out, cut and shape a range of materials, using appropriate tools, equipment and techniquesJoin and combine materials and components accurately in temporary and permanent ways	8. To investigate what alarm systems are used for and how different types of switches are activated. <ul style="list-style-type: none">Generate ideas, considering the purposes for which they are designingMake labelled drawings from different views showing specific features
3. To experiment with a range of techniques to create moving mechanisms. (Pop-out object & levers) <ul style="list-style-type: none">Make labelled drawings from different views showing specific features.Develop a clear idea of what has to be done, planning how to use materials, equipment and processes, and suggesting alternative methods of making, if the first attempts failSelect appropriate tools and techniques for making their productMeasure, mark out, cut and shape a range of materials, using appropriate tools, equipment and techniquesJoin and combine materials and components accurately in temporary and permanent ways	9. To be able to make a storybook with moving mechanisms using a design. <ul style="list-style-type: none">Develop a clear idea of what has to be done, planning how to use materials, equipment and processes, and suggesting alternative methods of making, if the first attempts failSelect appropriate tools and techniques for making their productMeasure, mark out, cut and shape a range of materials, using appropriate tools, equipment and techniquesJoin and combine materials and components accurately in temporary and permanent ways	3. To find out about the diversity of foods grown in America's diverse climates, and develop cooking skills while following a recipe for a traditional American food. <ul style="list-style-type: none">Evaluate their work both during and at the end of the assignmentEvaluate their products carrying out appropriate testsSelect appropriate tools and techniques for making their productMeasure, mark out, cut and shape a range of materials, using appropriate tools, equipment and techniquesunderstand seasonality, and know where and how a variety of ingredients are grown, reared, caught and processed.	9. To consider why certain foods are unhealthy if eaten regularly, and recognise the value of eating food together. <ul style="list-style-type: none">Generate ideas, considering the purposes for which they are designingunderstand and apply the principles of a healthy and varied diet	3. To be able to assemble a model lighthouse. <ul style="list-style-type: none">Select appropriate tools and techniques for making their productMeasure, mark out, cut and shape a range of materials, using appropriate tools, equipment and techniquesJoin and combine materials and components accurately in temporary and permanent ways	9. To investigate how to create circuits with variety of different switches. <ul style="list-style-type: none">Generate ideas, considering the purposes for which they are designing.Make labelled drawings from different views showing specific features.
4. To experiment with a range of techniques to create moving mechanisms. (Window flaps) <ul style="list-style-type: none">Make labelled drawings from different views showing specific features.Develop a clear idea of what has to be done, planning how to use materials, equipment and processes, and suggesting alternative methods of making, if the first attempts fail.Select appropriate tools and techniques for making their productMeasure, mark out, cut and shape a range of materials, using appropriate tools, equipment and techniques	10. To be able to make a storybook with moving mechanisms using a design. <ul style="list-style-type: none">Develop a clear idea of what has to be done, planning how to use materials, equipment and processes, and suggesting alternative methods of making, if the first attempts failSelect appropriate tools and techniques for making their productMeasure, mark out, cut and shape a range of materials, using appropriate tools, equipment and techniquesJoin and combine materials and components accurately in temporary and permanent ways	4. To discover some ways in which indigenous Americans grew, caught, gathered, prepared, and cooked, food. (Vegetable jerky) <ul style="list-style-type: none">Make labelled drawings from different views showing specific features.Select appropriate tools and techniques for making their productMeasure, mark out, cut and shape a range of materials, using appropriate tools, equipment and techniquesunderstand seasonality, and know where and how a variety of ingredients are grown, reared, caught and processed.	10. To understand how we can prepare food for a party, particularly one that is outside and where food is cooked on a barbecue, ensuring that we work safely and hygienically. <ul style="list-style-type: none">Generate ideas, considering the purposes for which they are designingprepare and cook a variety of predominantly savoury dishes using a range of cooking techniques	4. To be able to evaluate my product and develop a design for a new innovative, functional and appealing product. <ul style="list-style-type: none">Evaluate their work both during and at the end of the assignmentEvaluate their products carrying out appropriate testsGenerate ideas, considering the purposes for which they are designingMake labelled drawings from different views showing specific features.	10. To be able to design an alarm system for a particular purpose. <ul style="list-style-type: none">Generate ideas, considering the purposes for which they are designing.Make labelled drawings from different views showing specific features.
	11. To be able to make a storybook with moving mechanisms using a design. <ul style="list-style-type: none">Develop a clear idea of what has to be done, planning how to use materials, equipment and processes, and suggesting alternative methods of making, if the first attempts failSelect appropriate tools and techniques for making their productMeasure, mark out, cut and shape a range of materials, using appropriate tools, equipment and techniquesJoin and combine materials and components accurately in temporary and permanent ways	5. To be able to edit and improve an ancient recipe. <ul style="list-style-type: none">Generate ideas, considering the purposes for which they are designingEvaluate products and identify criteria that can be used for their own designsunderstand seasonality, and know where and how a variety of ingredients are grown, reared, caught and processed.	11. To be able to prepare food for a party. <ul style="list-style-type: none">Generate ideas, considering the purposes for which they are designingMake labelled drawings from different views showing specific features	5. To be able to create a prototype design for my building. <ul style="list-style-type: none">Select appropriate tools and techniques for making their productMeasure, mark out, cut and shape a range of materials, using appropriate tools, equipment and techniquesJoin and combine materials and components accurately in temporary and permanent ways	11. To be able to create an alarm system based on a design. <ul style="list-style-type: none">Select appropriate tools and techniques for making their productMeasure, mark out, cut and shape a range of materials, using appropriate tools, equipment and techniquesJoin and combine materials and components accurately in temporary and permanent ways
		6. To discover some ways in which indigenous Americans grew, caught, gathered, prepared, and	12. To host our own independence party.	6. To be able to create the circuit for my building. <ul style="list-style-type: none">Select appropriate tools and techniques for making their productMeasure, mark out, cut and shape a range of materials, using appropriate tools, equipment and techniquesJoin and combine materials and components accurately in temporary and permanent ways	12. To evaluate a finished product. <ul style="list-style-type: none">Evaluate their work both during and at the end of the assignmentEvaluate their products carrying out appropriate tests

<ul style="list-style-type: none"> Join and combine materials and components accurately in temporary and permanent ways <p>5. To experiment with a range of techniques to create moving mechanisms. (Rotating wheels)</p> <ul style="list-style-type: none"> Make labelled drawings from different views showing specific features. Develop a clear idea of what has to be done, planning how to use materials, equipment and processes, and suggesting alternative methods of making, if the first attempts fail. Select appropriate tools and techniques for making their product Measure, mark out, cut and shape a range of materials, using appropriate tools, equipment and techniques Join and combine materials and components accurately in temporary and permanent ways <p>6. To explore and experiment with a range of different fonts and graphic techniques.</p> <ul style="list-style-type: none"> Evaluate products and identify criteria that can be used for their own designs 	<p>materials, equipment and processes, and suggesting alternative methods of making, if the first attempts fail.</p> <ul style="list-style-type: none"> Select appropriate tools and techniques for making their product Measure, mark out, cut and shape a range of materials, using appropriate tools, equipment and techniques Join and combine materials and components accurately in temporary and permanent ways <p>12. To be able to evaluate a finished product</p> <ul style="list-style-type: none"> Evaluate their work both during and at the end of the assignment Evaluate their products carrying out appropriate tests 	<p>cooked, food. (Own vegetable jerky)</p> <ul style="list-style-type: none"> Evaluate their work both during and at the end of the assignment Evaluate their products carrying out appropriate tests Select appropriate tools and techniques for making their product Measure, mark out, cut and shape a range of materials, using appropriate tools, equipment and techniques 			
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#BTK and Links with other subjects					
	<p>Story books for younger children. Stories of the Bible.</p> <p>Christmas decorations with Mrs. Watson</p> <ul style="list-style-type: none"> Sew using a range of different stitches, weave and knit Measure, tape or pin, cut and join fabric with some accuracy 	Worldwide community.	Sharing food with family, friends and people who are less fortunate than ourselves.	School trip to Bekonscot Model Railway	
				What are the functions of lighthouses? How can we be like a lighthouse?	

Key Vocabulary					
<ul style="list-style-type: none"> Audience Bind Book cover Collage Concertina Entice Evaluate Experiment Finished product Fit the purpose Fonts Graphics Layout Lever Lever and Linkage systems 	<ul style="list-style-type: none"> Linkage Mechanisms Moving parts Pivot Pop-out object Rotate Rotating wheels Storybook Style Subject Techniques Window flaps Wording 	<ul style="list-style-type: none"> American Indian Tribes Associate British settlers Caught Climate Climate regions Colonise Convenience Crops Cultural significance Digesting Diverse Exploration Fast food Gathered Hygienically 	<ul style="list-style-type: none"> Independence Indigenous Ingredients Jerky Native Nutrition Pre-colonisation Prepared Preserve Prosperous Safely Soul foods Staple foods Street food Traditional Wheat 	<ul style="list-style-type: none"> Architects Conductors diagram Electrons Functional Habitable Insulators light bulb Lighthouse power source Stable Structure switch Waterproof 	<ul style="list-style-type: none"> A tilt switch Activation Alarm systems An on-off switch Effective Electrical circuits Purpose Push-to break switch Push-to-make switch Switches Design criteria Supports prototype

	I can
Developing, planning and communicating ideas.	<ul style="list-style-type: none">• Generate ideas, considering the purposes for which they are designing• Make labelled drawings from different views showing specific features• Develop a clear idea of what has to be done, planning how to use materials, equipment and processes, and suggesting alternative methods of making, if the first attempts fail• Evaluate products and identify criteria that can be used for their own designs
Working with tools, equipment, materials and components to make quality products (incl. food)	<ul style="list-style-type: none">• Select appropriate tools and techniques for making their product• Measure, mark out, cut and shape a range of materials, using appropriate tools, equipment and techniques• Join and combine materials and components accurately in temporary and permanent ways• Sew using a range of different stitches, weave and knit(<i>Work with Mrs. Watson making Christmas gifts.</i>)• Measure, tape or pin, cut and join fabric with some accuracy• Use simple graphical communication techniques
Evaluating processes and products	<ul style="list-style-type: none">• Evaluate their work both during and at the end of the assignment• Evaluate their products carrying out appropriate tests
<ul style="list-style-type: none">•	<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.