

Park Gate Primary School
Year 1 and 2 Subject Overview: Design and Technology

Overview

Through a variety of creative and practical activities, pupils will be taught the knowledge, understanding and skills needed to engage in an iterative process of designing and making. They will work in a range of relevant contexts [for example, the home and school, garden and playground, the local community, industry and the wider environment].

As part of their work with food, pupils will be taught how to cook and apply the principles of nutrition and healthy eating. Instilling a love of cooking in pupils will also open a door to one of the great expressions of human creativity. Learning how to cook is a crucial life skill that enables pupils to feed themselves and others affordably and well, now and in later life.

Year 1 Autumn Term Welcome to Fairy Tale Land	Year 1 Spring Term Gardens	Year 1 Summer Term Sandwiches and Seagulls
<p>Explore and evaluate a range of existing puppets.</p> <p>Generate, develop, model and communicate their ideas for a puppet through talking, drawing, templates, mock-ups.</p> <p>Design a purposeful, functional, appealing puppet for themselves and other users based on design criteria.</p> <p>Select from and use a wide range of textile materials according to their characteristics.</p> <p>Select from and use a range of tools and equipment to perform practical tasks to cut, shape, join and finish a puppet.</p> <p>Construct a puppet, using a range of materials.</p> <p>Evaluate their ideas and finished puppet against the design criteria.</p>	<p>Explore and evaluate a range of existing moving pictures.</p> <p>Generate, develop and communicate their ideas for a moving picture through talking, drawing and mock-ups.</p> <p>Design a purposeful, functional, appealing moving picture of a growing garden based on design criteria.</p> <p>Select from and use a wide range of materials and components, according to their characteristics.</p> <p>Explore and use sliders and levers as a mechanism in their picture.</p> <p>Select from and use a range of tools and equipment to perform practical tasks to cut, shape, join and finish a moving picture.</p>	<p>Explore and evaluate a range of picnic lunch products.</p> <p>Generate, develop, model and communicate their ideas for a picnic lunch through talking and drawing.</p> <p>Design an appealing picnic lunch for the Year R children based on design criteria.</p> <p>Select from and use a wide range of ingredients according to their characteristics.</p> <p>Select from and use a range of kitchen utensils to create a picnic lunch [for example, peeling, grating and cutting]</p> <p>Evaluate their ideas and finished lunch against the design criteria.</p> <p>Use the basic principles of a healthy and varied diet to prepare dishes and understand where food comes from.</p>

Year 2 Autumn Term It's A Small World	Year 2 Spring Term Titanic	Year 2 Summer Term Kitchen S.O.S!
<p>Use a design criteria to design an appealing sea creature for their seascape.</p> <p>Develop and communicate their ideas through talking, drawing and templates, using information and communication technology.</p> <p>Select from a wide range of textiles to create a sea creature to incorporate into their seascapes, thinking about aesthetic qualities of the textiles they are choosing.</p> <p>Accurately join textiles using appropriate running stitch, adding detail and thinking about aesthetic quality.</p> <p>Select from and use a range of tools and equipment to perform practical tasks to cut, shape, join and finish a sea creature.</p> <p>Evaluate their ideas and products against the design criteria.</p>	<p>Explore and evaluate a range of everyday objects which move using wheels and axles.</p> <p>Generate, develop and communicate their ideas for a moving luggage trolley to carry luggage to the Titanic through drawing and mock-ups.</p> <p>Design a purposeful and functional, appealing moving luggage trolley based on design criteria.</p> <p>Select from and use a wide range of materials and components, including construction materials, according to their characteristics.</p> <p>Explore and use wheels and axles as a mechanism in their trolley.</p> <p>Select from and use a range of tools and equipment to perform practical tasks for cutting, shaping, joining and finishing.</p> <p>Explore how the luggage trolley can be made stronger, stiffer and more stable.</p> <p>Evaluate their ideas and products against the design criteria.</p>	<p>Explore and evaluate a range of products made by Hampshire Schools Catering.</p> <p>Generate, develop and communicate their ideas for new products through talking and drawing.</p> <p>Design an appealing product to be included in a family feast based on design criteria.</p> <p>Select from and use a wide range of ingredients according to their characteristics.</p> <p>Select from and use a range of kitchen utensils to create a feast [for example, peeling, grating and cutting]</p> <p>Evaluate their ideas and finished feast against the design criteria and provide feedback to Hampshire Schools Catering.</p> <p>Use the basic principles of a healthy and varied diet to prepare dishes and understand where food comes from.</p>