

# YEAR 1 DESIGN & TECHNOLOGY CURRICULUM FRAMEWORK

## Overview of Key Stage 1 Curriculum:

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

AUTUMN TERM 1	AUTUMN TERM 2	SPRING TERM 3
<b>Memory Box</b>	<b>Bright Lights, Big City</b>	<b>Moon Zoom</b>
<p><b>Select from and use a wide range of materials and components, including ingredients, according to their characteristics.</b></p> <p>Decide what types of food would be good for a teddy bears picnic. Make simple healthy sandwiches and biscuits</p> <p><b>Select from and use a range of tools and equipment to perform practical tasks [for example, cutting, shaping, joining and finishing]</b></p> <p>Use various art and craft materials to make a card for a special occasion</p>	<p><b>Explore and use mechanisms.</b></p> <p>Make a sliding mechanism to create a 2D moving picture of a black cab or London bus.</p> <p><b>Build structures, exploring how they can be made stronger.</b></p> <p>Design and make a moving model of the London Eye using a construction kit eg Knex</p> <p>Understand where food comes from.</p> <p>Bake wholegrain bread rolls and fire of London buns.</p> <p><b>Design purposeful functional and appealing products, based on design criteria.</b></p> <p>Design and make souvenirs to sell in the London zoo shop.</p> <p><b>Select from and use a wide range of materials and components, including construction materials, according to their characteristics.</b></p> <p>Create big models of London landmarks using recycled materials and large construction blocks.</p>	<p><b>Design purposeful, functional, appealing products for themselves and other users based on design criteria.</b></p> <p>Design and make a model spaceship using a range of recycled materials.</p> <p><b>Explore and evaluate a range of existing products.</b></p> <p>Look at a range of space related toys.</p> <p><b>Explore and use mechanisms.</b></p> <p>Look at a range of moving vehicles. Make a simple moon buggy.</p>

SPRING TERM 4	SUMMER TERM 5	SUMMER TERM 6
<p align="center"><b>Paws, Claws and Whiskers</b></p>	<p align="center"><b>The Enchanted Woodland</b></p>	<p align="center"><b>Splendid Skies</b></p>
<p><b>Design purposeful, functional, appealing products for themselves and other users based on design criteria.</b></p> <p><b>Generate, develop, model and communicate their ideas through talking and drawing</b></p> <p>Design and make a label for a tin of tiger food.</p> <p>Design and make an enclosure for a zoo animal.</p>	<p><b>Build structures exploring how they can be made stronger, stiffer and more stable.</b></p> <p><b>Select from and use a wide range of materials and components, including construction materials and ingredients, according to their characteristics</b></p> <p>Build a nest or a den for a woodland animal.</p> <p>Make a home for a tiny magical creature</p> <p>Create teeny treats for a tiny tea party.</p>	