Design and Technology KS 1 Long Term Planning, 2017-2020

When designing and making, pupils will:

**Design**

 ♣ design purposeful, functional, appealing products for themselves and other users based on design criteria

 ♣ generate, develop, model and communicate their ideas through talking, drawing, templates, mock-ups and, where appropriate, information and communication technology

**Make**

♣ select from and use a range of tools and equipment to perform practical tasks [for example, cutting, shaping, joining and finishing]

♣ select from and use a wide range of materials and components, including construction materials, textiles and ingredients, according to their characteristics

**Evaluate**

 ♣ explore and evaluate a range of existing products

♣ evaluate their ideas and products against design criteria Technical knowledge

♣ 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.

Autumn Term 1 (1st ½)

Topic: **What a Wonderful World and Me**

Art and Design is taught this half term

Autumn Term 1 (2nd ½)

Topic: **Winter**

To design and make a Christmas decoration.

Spring Term 1 (1st ½)

Topic: **Roar, Moo, Squeak**

To design and make a wind up model.

Spring Term 1 (2nd ½)

Topic: **Pizza please!**

 To design and make a tasty pizza and pizza box.

Autumn Term 2 (1st ½)

Topic: **Me and my World**

Art and design will be taught this term.

Autumn Term 2 (2nd ½)

Topic: **Let there be Light**

Rudolf head pieces using a bulb and battery

Spring Term 2 (1st ½)

Topic: **On our Doorstep**

Art and design will be taught this half term.

Spring Term 2 (2nd ½)

Topic: **At the Bottom of the Garden**

Mini beast puppets

Summer Term 2 (1st ½)

Topic: **Where in the World**

Art and design will be taught this half term

Summer Term 2 (2nd ½)

Topic: **Pirates**

To design and make a treasure box

Autumn Term 3 (1st ½)

Topic: **This is Me**

Design and make a fruit smoothie or vegetable soup.

Autumn Term 3 (2nd ½)

Topic:  **Let’s Move**

Design and make a moving picture

Spring Term 3 (1st ½)

Topic: **Dinosaurs**

Art will be taught this half term

Spring Term 3 (2nd ½)

Topic: Topic: **Explorers**

Design and make a space buggy

Summer Term 3 (1st ½)

Topic: **Super Heros**

To design a super hero costume

Summer Term 3 (2nd ½)

Topic: **Houses and Homes**

To design and make a home from around the world