



## ***Inspiring All To Soar To New Heights***

*“But those who hope in the Lord will renew their strength. They will soar on wings like eagles.”* Isaiah 40:31

### **Key Stage One Curriculum Requirements for Design Technology**

In Key Stage 1 at Downham C of E Primary School, pupils build upon their Early Years experiences through a range of creative and practical activities. They are taught the knowledge, understanding and skills needed to engage in an iterative process of designing, making and evaluating.

When designing and making, pupils should be taught to:

#### **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**

- explore and use mechanisms [for example, levers, sliders, wheels and axles], in their products.
- build structures, exploring how they can be made stronger, stiffer and more stable.