

Inspiring and enabling our school community to live life to the full

Our DT Curriculum gives children the opportunity to develop skills, knowledge and understanding through designing and making functional products for a range of different users. They learn about key inventions and designers. Children are encouraged to think creatively and produce innovative designs as they explore the designed and made world in which they live.



YEAR 1

**Subject: DT**  
**Unit: Mechanisms – Making a Moving Card**

**Characteristics of an Effective Learner**

Courage  
Commitment  
Collaboration  
Creativity  
Curiosity

**Prior Learning:**

Children have had opportunities to practise cutting and joining skills in Reception through both teacher led activities and continuous provision.

**Key Vocabulary taught in this unit:**

Lever, slider, mechanism

**Intent: What do we want the children to know, be able to do by the time they complete this unit?**

**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**

Design a moving greeting card for a loved one based on design criteria

Generate ideas for a moving greeting card through talking, drawing, templates and mock-ups

**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**

Select from and use a range of tools and equipment to cut, join and finish their moving greeting card

**Evaluate**

**Explore and evaluate a range of existing products**

**Evaluate their ideas and products against design criteria**

Explore and evaluate a range of existing moving greeting cards

Evaluate their finished greeting card 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**

Use templates to explore lever, slider and pop-up mechanisms needed for their greeting card

Apply knowledge of lever, slider and pop-up mechanisms to make a moving greeting card

**Impact / Outcome:**

**What will the final product / result be?**

Design brief: Design and make a pop up card for a special person in their lives

**P4C Inquiry (where appropriate) – n/a**