



# St Benedict's Catholic School

*The Catholic Secondary School for West Suffolk*

## **Design and Technology Graphic Products Curriculum Guide**

### **Year 8**

At KS3 Design and Technology groups are rotated Termly to allow all pupils to experience the 3 key areas of the subject, namely Graphic Products, Resistant Materials, Food and Nutrition. Therefore, each group will move to a different specialism at the end of each term.

#### **Course Taught Content**

##### Pop-Up card and Drawing Techniques

One focus of this project is developing pupils' understanding and application of a 'Target Market'; what they want, and what they will respond positively to. Pupils will, as designers, need to consider their 'client' needs and wants throughout.

Developing key Graphic Design skills and understanding will enable pupils to make creative and effective designs which have impact, are distinctive and yet sometimes successfully simple in concept. We will experiment with and model a wide range of pop-up mechanisms and devices to help create their personal response to the given brief.

We will learn about different types of motion, and recognise that mechanisms can turn one type of motion, for example reciprocating, into another type of motion, for example rotary. We will learn about Levers and Linkages and how these are used and applied in everyday life.

Learning a variety of drawing techniques will enable pupils to communicate ideas clearly. We will learn and experiment with, 1-Point and 2-Point Perspective, Isometric and Orthographic drawing. These drawing skills will enable pupils to convey their ideas effectively in a number of ways. Being able to convey ideas and designs clearly and effectively is essential when establishing communication with others. These skills are essential as pupils progress through KS3 and on into KS4.

#### **Assessment**

Pupils are assessed with a focus on 'Making', this will cover their initial mechanism modelling, final outcomes and experiments developing Lever and Linkage models. They will be assessed on their ability to successfully communicate their ideas through both visual and written outcomes. They will also receive regular (twice per term) formative feedback, in-depth assessment and an end of year full subject exam style appraisal. Due to the termly

rotation between subjects the final assessment will incorporate all three specialisms. (Graphic Products, Resistant Materials, Food and Nutrition).

### **Homework Expectations**

Homework is set every two weeks (approximately 3 times per half term) The tasks set will vary depending on the stage of each project, but will include, personal research, investigation or personal visual responses about the given theme. In most cases this will involve pupils printing outcomes and bringing these to their next lesson, rather than submitting via Edulink. The homework will predominately help pupils to enhance and inform their classroom work and is vital due to limitations with computer access.

### **Reading List**

<https://www.youtube.com/watch?v=Vp8HZHnAhQk>

<https://www.bestpopupbooks.com/interview-robot-sabuda/>