

Y7 ROADMAP – DESIGN & TECHNOLOGY

Subject Aim: The aim of our year 7 curriculum is to provide you with a broad introduction to what design and technology can be. You will be shown how to work with a range of materials and processes in the workshops to design and create a range of outcomes.

TERM 1

Why is it important to work safely in the workshop?

In this unit you will be introduced to the exciting place of the workshop. We will discuss why it is important to work follow safety procedures. You will learn how to use a range of machinery and tools, completing your Design and Technology passport along the way!

TERM 2

What is a thermoplastic?

In this project you will develop your skills from term to design and make your own personalised name badge. You will learn all about thermoplastics and their environmental impact.

TERM 3

What will the mobile phone look like in the future?

Over the years products have evolved and changed to what we know today. Companies are constantly looking for ways to entice us to buy something new. In this project you will become a product designer, developing your own creative ideas for the new generation of mobile phones for the year 2050!

TERM 4

Are computers more efficient than people?

Computers are a big part of our daily lives. In this project you will learn about how computers can be used within design to develop and create new products. We will investigate the advantages and disadvantages of using them. You will learn how to use computer software to create your own hand held game.

TERM 5

What is textiles?

In this project you will be introduced to a range of hand textile techniques including marking out, cutting, hand sewing and embellishing to design and make your own puggie doll.

TERM 6



ASSESSMENT

- In technology your work is assessed against different areas including designing, making, knowledge and evaluation.
- Your teachers will be looking at the work you are doing in lessons and offering suggestions about how to develop and improve it.
- You will learn how to peer assess work to support your development.
- During your lessons your teachers will assess your knowledge and understanding in a range of ways including retrieval tasks .
- For each unit you will have an assessment which covers the key knowledge within each project as well as some longer questions where you can apply your understanding.



INDEPENDENT LEARNING

- Knowledge Organisers are expected to be used weekly to support the learning and recap of key vocabulary as the course progresses.
- There will be various independent learning challenges set each half-term which will allow you to develop your subject specialist skills as well as knowledge and understanding.



ENRICHMENT

What Next? Year 8 builds on your foundation of skills in the kitchen and begins to introduce more complex skills and processes such as bread making and food science. You will develop your understanding of healthy eating by learning about nutrients and their role in the diet.