

Design Technology Year 9

Learning Intentions Spring Term 1

2024-2025

WEEK 16 wc 6 th January	Planning and making circuits Pupils will learn: <ul style="list-style-type: none">• How to plan, manufacture and populate their own electrical circuits• How to incorporate the use of sensing components to produce outputs such as sound and light.• How to use modelling programs such as Crocodile clips to model and test virtual circuits
WEEK 17 wc 13 th January	Modelling in Technology / using CAD/CAM Why do we use virtual modelling in Technology? The role of computer modelling programs in circuit board production and testing. How will CAD/CAM be used to produce the electronic light display?
WEEK 18 wc 20 th January	Workshop rules / Health and Safety The importance of Health and Safety in the workshop. What kind of accidents could occur in the workshop? Understanding how to use the machines safely - guards, PPE, floor tape, emergency stops, correct clothing and emergency procedures. Workshop rules. Pupils will complete a worksheet about workshop safety. Practical lesson Pupils will work towards the practical realisation of their design ideas.
WEEK 19 wc 27 th January	Practical lesson Pupils will work towards the practical realisation of their design ideas using appropriate techniques and showing awareness of health and safety at all times.
WEEK 20 wc 3 rd February	Practical lesson Pupils will work towards the practical realisation of their design ideas using appropriate techniques and showing awareness of health and safety at all times.
WEEK 21 wc 10 th February	Evaluation Review the project with the pupils. Class discussion with all the completed projects on view. Good examples and why. What improvements could others have made? All pupils to complete an evaluation work sheet to review their product.