Design Technology Year 9

Learning Intentions Summer Term 2   2024-2025

WEEK 33 wc 2nd June	**Electrical and Electronic systems – Glowing display project** Pupils will be introduced to the principles of Electrical and Electronic systems: • Simple circuits and components • Organising and representing electrical systems • Sensing circuits and feedback loops
WEEK 34 wc 9th June	**Design brief and Initial ideas – Glowing display project** What is a design brief and why do we use them in design technology? Discuss the correct method of producing initial ideas: • 3D sketches • Colour • Annotation Pupils to complete 2 initial ideas with accompanying annotation
WEEK 35 wc 16th June	**Planning and making circuits** Pupils will learn: • 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
WEEK 36 wc 23rd June	**Modelling in Technology / using CADCAM** Why do we use models in Technology? The role of computer modelling and testing. How will CADCAM be used to produce the Glowing display project?
WEEK 37 wc 30th June	**Practical lesson** Pupils will work towards practical realisation of their design ideas.
WEEK 38 wc 7th July	**Practical lesson** Pupils will work towards practical realisation of their design ideas.
WEEK 39 wc 14th July	**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 a collaborative project review sheet to assess theirs and others work and suggest improvements