

Design Technology Year 9 Learning Intentions Spring Term 2 2024-2025

	LESSON
WEEK 22 wc 24 th February	<p>Introduction to the project How to show shape and form using pencil sketching and rendering. Pupils will complete a worksheet related to realistic drawing in Technology</p>
WEEK 23 wc 3 rd March	<p>Research and materials in design technology. The difference between thermoplastics and thermoset plastics. Pupils to complete questions in work book related to properties of plastics. Introduction to pattern and tessellation as a theme for the project</p>
WEEK 24 wc 10 th March	<p>Design brief and Initial ideas. What is a design brief and why do we use them in design technology? Discuss the correct method of producing initial ideas:</p> <ul style="list-style-type: none"> • 3D sketches • Colour • Annotation <p>Pupils to complete 2 initial ideas with accompanying annotation.</p>
WEEK 25 wc 17 th March	<p>Modelling in Technology / using CAD/CAM Why do we use models in Technology? The role of computer modelling and testing. How will CAD/CAM be used to produce the iPhone holder? Pupils will complete a detailed and realistic model of their design at 1:1 scale.</p>
WEEK 26 wc 24 th March	<p>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 and design a safety poster of their own.</p>
WEEK 27 wc 31 st March	<p>Practical Lesson—Cutting tools and techniques Materials distributed to pupils. Teacher demo on the correct way to mark and measure the material</p> <ul style="list-style-type: none"> • Use of rulers – using mm • Using Tri squares • Indicating the waste. • How to mark properly on acrylic and similar materials. • Pupils to proceed with practical, show awareness of Health and Safety and follow the rules of the workshop.