

## Year 9 – What will my child learn this half term?



Subject	Content
Art	<p><b>Natural Forms:</b>                      Create a ceramic outcome that is inspired by natural forms. Use coils to create a stable, cylindrical structure. Use a range of tools to create surface detail Use charcoal to create a drawing of the finished ceramic sculpture.</p>
Computing	<p><b>Information Technology</b> - Create 3D animations using the industry-standard software. The basics of modelling, texturing, and animating; outputs will include 3D models, short videos.</p>
DT Product Design	<p><b>Product -Jewellery Project and Trinket Box driving test</b></p> <p>Knowledge of materials and manufacturing:                      Considering other users of the D&amp;T workshops and carrying out a safety survey                      Introduction to different materials and techniques – cutting and shaping copper, enamelling, glass fusing, using standard components (findings) to complete the products</p>
DT Food	<p>Food – Around the World <b>Knowledge of materials and manufacturing:</b>Science of food – gluten and yeast                      experimentsCoagulationLearning about dishes and where they come from in the worldMake an increasing complex range of dishes from chilli con carne to swiss roll <b>Knowledge of design:</b>                      Analysis of scientific findings to develop better products. Development of dishes                      Evaluate using a mixture of sensory analysis and scientific knowledge to create a commentary on a dishes’ performance</p>
DT Textiles	<p>Textiles -Tote Bag <b>Knowledge of materials and manufacturing:</b>Bagging out/ turning handlesFrench seamsScreen printingReinforcing seams <b>Knowledge of design:</b>Using the work of other artist/designers to inspire their workReusing bags therefore reducing plastic waste</p>

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English	<p><b>The Gothic Text:</b> Frankenstein – Mary Shelley Continuation of textual study: Volumes 1 and 2 Creative writing: gothic settings and atmosphere. Oracy and writing: ethical dilemmas, presentation of women.</p>
French	<p>Module 2: Projets d'avenir Jobs and future plans</p>
German	<p>Stimmt 3 - Unit 2 Musik</p>
Geography	<p><b>What is the future of our planet?</b> A global-scale environmental crisis - climate change. It allows students to connect scientific understanding of Earth systems with human causes and consequences. This unit deepens students' understanding of feedback loops, values-based decision-making (e.g. adaptation vs mitigation), and inequality of climate impact (linking to diversity and interconnection).</p>
History	<p><b>challenges for Britain, Europe and the wider world 1901 to the present day</b> - What caused WW1 and how did the conflict affect soldiers?</p>
Maths	<p><b>Reasoning with Algebra:</b> Algebraic manipulation, testing conjectures <b>Constructing in 2 and 3 Dimensions:</b> Constructing and congruency</p>
Music	<p><b>Blues</b> - Gershwin: Rhapsody in Blue, Christmas Service Preparation</p>
PE	<p><b>Acquiring knowledge, Decisions, Coaching (analysing &amp; evaluating)</b> - Volleyball, Badminton &amp; Football/Rugby</p>
RE	<p><b>Human Rights</b> - exploitation of the poor, poverty, religious extremism</p>
Science	<p><b>Health Issues:</b> Communicable Disease, Viral Disease, Bacterial Diseases, Fighting Disease, Vaccination, Using Drugs to Treat Disease, Evidence &amp; Errors</p> <p><b>Reactivity of Metals:</b> Exothermic and endothermic reactions, Reversible Reactions,</p>

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	<p>Rates of reaction, Ionic bonding, Evidence and errors</p> <p><b>Electricity:</b> LDR investigation, Voltage current graphs for a resistor, Voltage current graphs for a lamp, Evidence and errors</p>
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