

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



Subject	Content
Art	<p><b>Icons:</b> Broadening knowledge of acrylic painting. Use grids for accurate transcriptions. Use Photoshop to create appropriate reference images. Further in-depth critical studies into artists and genres including Pop Art and mass produced works of Art.</p>
Computing	<p><b>Networks, Safety &amp; Security –</b> Techniques used by cybercriminals to steal data, disrupt systems, and infiltrate networks. Value of data, social engineering and common cybercrimes.</p>
DT Product Design	<p><b>Product -Jewellery Project and Trinket Box driving test</b> <b>Knowledge of materials and manufacturing:</b> 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 <b>Knowledge of design:</b> Design skills – Looking at trends, Using the work of other designers Tatty Devine, using focus groups for evaluation Corporate identity and packaging of products</p>
DT Food	<p><b>Food – Around the World</b> <b>Knowledge of materials and manufacturing:</b> Science of food – gluten and yeast experiments Coagulation Learning about dishes and where they come from in the world. Make 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><b>Textiles -Tote Bag</b> <b>Knowledge of materials and manufacturing:</b> Bagging out/ turning</p>

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	<p>handles French seams Screen printing. Reinforcing seams</p> <p><b>Knowledge of design:</b> Using the work of other artist/designers to inspire their work Reusing bags therefore reducing plastic waste</p>
English	<p><b>Dystopia and Freedom Texts:</b> 1984, Brave New World, dystopian short stories Core text: Fahrenheit 451 Recapping Greek myths through use of allusions. Recapping dictatorship, totalitarianism. Introducing dystopian conventions, e.g. censorship, surveillance, technology and AI.</p>
French	<p>Module 5 : Le monde francophone <b>French speaking world</b></p>
German	<p>Stimmt 3 – Unit 5 Rechte und Pflichten <b>Rights and responsibilities</b></p>
Geography	<p><b>Global hazards</b> - How can weather be hazardous? How do plate tectonics shape our world? Ties into Key Stage 3 knowledge (e.g., climate/weather basics) and begins the shift to more analytical, evaluative GCSE-level thinking. Core geographical processes and key terminology that underpins future GCSE topics (e.g., climate in ecosystems, natural hazard management). Captures students' interest through dramatic real-world events (e.g., earthquakes, tropical storms).</p>
History	<p><b>Post War</b> - Independence, Technological Changes - challenges for Britain, Europe and the wider world 1901 to the present day</p>
Maths	<p><b>Reasoning with Geometry:</b> Pythagoras' Theorem, trigonometry <b>Reasoning with Proportion:</b> Direct and inverse proportion, best buys, ratio problems, graphs of proportion</p>
Music	TBC
PE	<b>Acquiring knowledge, Coaching (analysing &amp; evaluating)</b> - Rounders, Athletics, Cricket,
RE	<b>Crime and Punishment</b> - Aims and forms of punishment, forgiveness, capital punishment, prison project

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Science	<p><b>Photosynthesis and nutrient cycles:</b> Plant structure, Photosynthesis, Limiting factors, Uses of glucose, Greenhouses</p> <p><b>Chemical calculations:</b> Isotopes, Relative formula mass, Converting units, Concentration, Significant figures</p> <p><b>Magnets and electromagnets:</b> What is a magnet?, The magnetic field, The Earth's magnetic field, Making an electromagnet, Strength of an electromagnet - Practical</p>
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