

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



Subject	Content
Art	<p>Natural form project: To work on a sustained project using a large variety of techniques. Freedom of choice. All materials are chosen to deepen knowledge of tone, texture and mark making. Materials that will be used in GCSE (acrylics) are used for the first time. Annotations are worked upon using subject specific vocab. Compositional design is experimental and more expressive. Photography is used to help aid option choices.</p>
Computing	<p>Data & Data Representation - Machine Learning AI; Algorithms - Algorithms</p>
DT Product Design	<p>Product -Jewellery Project and Trinket Box driving test</p> <p>Knowledge of materials and manufacturing:Considering other users of the D&T workshops and carrying out a safety surveyIntroduction to different materials and techniques – cutting and shaping copper, enamelling, glass fusing, using standard components (findings) to complete the products</p> <p>Knowledge of design:Design skills – Looking at trends, Using the work of other designers Tatty Devine, using focus groups for evaluationCorporate identity and packaging of products</p>
DT Food	<p>Food – Around the World</p> <p>Knowledge of materials and manufacturing: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</p> <p>Knowledge of design:Analysis of scientific findings to develop better products. Development of dishesEvaluate using a mixture of sensory analysis and scientific knowledge to create a commentary on a dishes’ performance</p>
DT Textiles	<p>Textiles -Tote Bag</p> <p>Knowledge of materials and manufacturing:Bagging out/ turning handlesFrench seamsScreen printingReinforcing seams</p> <p>Knowledge of design: Using the work of other artist/designers to inspire their work. Reusing bags therefore reducing plastic waste</p>

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English	<p>War: What is it good for? Texts: Tennyson/Hardy/Owen/Sassoon/Brooke etc. Extracts from war novels 2: Using evidence 3: Analysis 4: Structure & coherence 6: SPaG</p>
French	<p>Module 4: Le meilleur des mondes Environment</p>
German	<p>Stimmt 3 -Unit 4 Die Kindheit Childhood</p>
Geography	<p>What impact do powerful countries / regions have on the world? What is life like there? Urbanisation</p>
History	<p>Challenges for Britain, Europe and the wider world 1901 to the present day - The Holocaust</p>
Maths	<p>Constructing in 2 and 3 Dimensions: 3D Geometry</p>
Music	<p>Ragtime and Jazz - Dixieland Jazz, Swing Era Big Band /Swing</p>
PE	<p>Healthy, active, lifestyle, Skill development, Decisions - Basketball, Dance, Netball, Fitness, Badminton & Hockey</p>
RE	<p>Human Rights - Law and Prejudice, Homosexuality, Religion and sexism, Wealth and Poverty, Wealth and religion, The poor</p>
Science	<p>The nervous system & homeostasis: Blood glucose regulation, Diabetes, Menstrual cycle, 1. Evidence 2. Errors</p> <p>Environmental Chemistry: Combustion, Alternative Fuels, Ethanol, Air, Hypothesise & Anomalies</p> <p>Forces, motion, pressure and moments: Pressure in solids, Hydraulics (Pressure in liquids), Levers and moments, The principle of moments, Hypothesise and anomalies</p>