WHAT WE TEACH WHEN: Year 9

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|  | **HALF TERM 1** | **HALF TERM 2** | **HALF TERM 3** | **HALF TERM 4** | **HALF TERM 5** | **HALF TERM 6** |
| **Art** | Observation/Pastiche | Paint and Ink workshops | Graphic Design | Contextual Research | Graphic Illustration | 3D Design |
| **Computer Science** | Python Programming with sequences of data | Physical Programming | Cyber Security |
| **Design & Technology Product Design** | Product Design Typography, branding, manufacturing techniques: vacuum forming | Project: designing a giftproduct for a client CAD/CAM:laserCAM nets | The work of others, mechanical and physical properties, manufacturing techniques: casting | Project: pewter jewelleryThe work of others, design movements and packaging | Project: habitats Designing for a client - "The National Trust" | Rapid prototyping: 3D printing laserCAM, iterative design process |
| **Design & Technology Textiles Technology** | Textile Technology The work of others, patternrepeats and industrial printing techniques | Project:e-textiles USB desk lamp for a high street store | Combining materials and their properties to produce a working product | Rotation with Food and Nutrition course |
| **Drama** | Teechers by John Godber | Pantomime | Theatrical style and convention | Willy Russell | The Curious Incident of the Dog in the Night-Time | Summer scripted performance |
| **English** | Macbeth | Macbeth | The Book Thief | The Book Thief | Powerful Voices | Short Story Writing |
| **Food and Nutrition** | Rotation with Design and Technology: Textiles Technology course | Food science: pastry, function of ingredients and quality control | Food Science: functional properties of bread and the foaming qualities of eggs | Food science: dairy, gelatinisation and cooking techniques |
| **Geography** | Our unequal world | Our hazardous world | Coastal landscapes |
| **History** | Britain and the First World War | 1920s America | Nazi Germany | The Second World War | The Cold War |

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| **Maths** | Number:HCF and LCMStandard FormPowers and RootsFractions Decimals and PercentagesCompound interest.IndicesNumber:HCF and LCMStandard FormPowers and RootsFractions Decimals and PercentagesCompound interest.Indices | Number: Calculating with fractions in contextAlgebra: Solving equations, Rearranging formula, substitution into formula.Geometry: calculating surface area and volume of 3D shapes.. | Number: Inputs and outputs for functions.Algebra: straight line graphs.Geometry: calculating compound measures | Algebra: Inequalities and simultaneous equations | Geometry: Pythagoras’ theoremStatistics: Data processing and averages. (grouped data) Displaying Data | Probability |
| **MFL:****French/German/ Spanish** | Next weekend | Holidays in the present and past | Jobs and future plans | Healthy living | Media |
| **Music** | *Rotation*Reggae/Film Music | *Rotation*Pop Music/Composition to a Brief | *Rotation*Made in Manchester/Dance Music |
| **Religion Ethics** **and Philosophy** | What are Ethics? | Medical and Social Ethics | Fighting for Justice | The Holocaust | War and Conflict |
| **Science** | Biology: Cell structure Chemistry: Earth materials, Mixtures Physics: Energy transfers, Work done | Biology: The digestive systemChemistry: Atomic structurePhysics: Energy sources, Particle model and behaviour | Biology: The respiratory system, the circulatory systemChemistry: The periodic tablePhysics: Current, p.d. & resistance | Biology: The skeletal and muscular systemsChemistry: Rates of reaction Physics: Forces and their effects, Moments | Biology: HealthChemistry: Materials and their propertiesPhysics: Transverse and longitudinal waves | Biology: Green biologyChemistry: Green chemistryPhysics: Magnetic fields & Electromagnetism |