WHAT WE TEACH WHEN: Year 9

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | **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 gift  product for a client CAD/CAM:  laserCAM nets | | | The work of others, mechanical and physical properties, manufacturing techniques: casting | | Project: pewter jewellery  The 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, pattern  repeats 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 | |

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | | **HALF TERM 1** | **HALF TERM 2** | | **HALF TERM 3** | | **HALF TERM 4** | | **HALF TERM 5** | | | **HALF TERM 6** |
| **Maths** | Number:  HCF and LCM  Standard Form  Powers and Roots  Fractions Decimals and Percentages  Compound interest.  Indices  Number:  HCF and LCM  Standard Form  Powers and Roots  Fractions Decimals and Percentages  Compound interest.  Indices | | Number: Calculating with fractions in context  Algebra: 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’ theorem  Statistics: 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 system  Chemistry: Atomic structure  Physics: Energy sources, Particle model and behaviour | | Biology: The respiratory system, the circulatory system  Chemistry: The periodic table  Physics: Current, p.d. & resistance | | Biology: The skeletal and muscular systems  Chemistry: Rates of reaction  Physics: Forces and their effects, Moments | | Biology: Health  Chemistry: Materials and their properties  Physics: Transverse and longitudinal waves | Biology: Green biology  Chemistry: Green chemistry  Physics: Magnetic fields & Electromagnetism | |