WHAT WE TEACH WHEN: Year 8

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|  | **HALF TERM 1** | **HALF TERM 2** | **HALF TERM 3** | **HALF TERM 4** | **HALF TERM 5** | **HALF TERM 6** |
| **Art** | Context and Culture | Pattern and Illustration | New Media and Craft | Contextual Research | Illustration | Contemporary Portraiture |
| **Computer Science** | Developing for the web | Representations: from Clay to Silicon | Mobile App Development | Media: Vector Graphics | Computing Systems | Introduction to Python programming |
| **Design & Technology Product Design** | Product Design Sustainability, the environment and the 6 "R's" | Project: passive speaker Sound waves, amplitude andfrequency | Project: recycled jar lampElectronics, systems and components.Designers past and present | Project: board game Biomimicry,prototyping and finishing techniques.CAD/CAM: 3Dprinting | Emerging technologies, design and enterprise skills | Project: engineering challenge Motion, mechanisms and levers.CAD/CAM:laserCAM and/or 3D printing |
| **Design & Technology Textiles Technology** | Textile Technology Fibres to fabrics, material properties and structures | Textile decorative workshops.Culture and identity | Project:e-textiles skull key fobSystems, circuits and intelligent clothing | Rotation with Food and Nutrition course |
| **Drama** | Storytelling | Melodrama | Practical work - bullying theme | Refugee Boy | Stand up for your rights | Practical exploration of devising and rehearsal |
| **English** | The Woman in Black | The Woman in Black | Much Ado About Nothing | Much Ado About Nothing | Time and Place Poetry | Character Writing |

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|  | HALF TERM 1 | HALF TERM 2 | HALF TERM 3 | HALF TERM 4 | HALF TERM 5 | HALF TERM 6 |
| **Food and Nutrition** | Rotation with Design and Technology: Textiles Technology | Food provenance: staple foods. Food Science: functional properties ofingredients | Nutrition: food choices,nutrition through life-stages, dietary needs | Nutrition: understanding the science to make the right choices both for health and function |
| **Geography** | Our hazardous world | Urban issues | Cold environments |
| **History** | The Stuarts | The Industrial Revolution | The British Empire and the Slave Trade |
| **Maths** | Number: Round to a given degree of accuracy. Converting between fractions, decimals and percentages. Calculating percentages of amounts.Statistics: calculating averages | Number: Converting between index form and expanded form. Calculating with indices, simplifying with indicesAlgebra: Expand brackets, factorise expressions. Solve equations with fractions. Substitution into expressions,finding the nth term | Algebra: substitution. Recognising the gradient and y intercept of a straight line graph, drawing inequalities, drawing straight line graphs, describing inequalities | Ratio and Proportion : calculating with ratio,Representing and compare data in pie charts | Geometry:Angles within parallel linesBearings.Angles in triangles and polygons and mensuration of circles. Area of 2D shapes | Geometry:Transformations of shapes.Statistics: Scatter graphs,Probability: basics of probability |
| **MFL:****French/ German/ Spanish** | My family and friends | My hobbies | My school | Where I live |
| **Music** | *Rotation*The Blues/Remix | *Rotation*Structure and Form/Minimalism | *Rotation*Samba/Hip Hop |
| **Religion Ethics and Philosophy** | Where do we come from | Why do we suffer? | Where are we going? | Humanism and World Views |
| **Science** | Motion EnergyAcids and Alkalis | Chemical Reactions 2, Photosynthesis | Electricity, respiration | Light | Inheritance and evolution, earth structure and rocks | Earth and atmosphere Space |