WHAT WE TEACH WHEN: Year 7

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|  | **HALF TERM 1** | **HALF TERM 2** | **HALF TERM 3** | **HALF TERM 4** | **HALF TERM 5** | **HALF TERM 6** |
| **Art** | Colour Theory | Line and Texture | Value, Form and Shape | Contextual Research | Observational Drawing | Technical Drawing |
| **Computer Science** | Introduction to the school network | Clear messaging in digital media | Networks: from semaphores to the internet | | Programming essentials in Scratch: variable, selection, a condition, and  iteration | |
| **Design & Technology** | **Product Design** Materials and working properties: metals & polymers | **Project:** aluminium and acrylic key fob CAD/CAM: laserCAM intro to 2D design | Materials and working properties:  timbers | **Project:** wood storage box CAD/CAM:  laserCAM etching | Materials and working properties: paper and boards. Developing graphic skills. | **Project:** Avatar characters CAD/CAM:  laserCAM nets |
| **Drama** | Introduction to drama | Physical Theatre | Approaches to text | Introduction to Shakespeare | Devising from a stimulus | Practical exploration of devising and rehearsal |
| **English** | The Bone Sparrow | The Bone Sparrow | Literary Allusions | Introduction to Shakespeare | Identity Poetry | The Art of Rhetoric |
| **Food and Nutrition** | Food safety and hygiene:  storage, safe food preparation, intro to food science | Cooking methods:  heat transfer and cooking techniques | Nutrition:  The Eatwell guide, fats and sugar | Nutrition: salts, fibre and water, active lifestyles and  health | Nutrition : protein, portion control, healthy choices | Food provenance: fair trade and food miles |
| **Geography** | Our world and map skills | | Africa – a diverse continent | | Global water issues | |

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| **History** | Measuring Time | The Normans | Medieval Life | | Medieval England - Power and the People | The Tudors | |
| **Maths** | Place value, addition, subtraction, multiplication and division, rounding and estimation  Geometry: Time and Timetables | Number: Prime factorisation, applying square, cube or roots to a number. Calculating fractions and percentages of amounts.  Geometry: Ordering measurements | Number: calculations with negative numbers, rounding, choosing the correct order of operations, converting between fractions, decimals and percentages.  Algebra: form an expression, simplifying, substitution | | Number: Finding missing inputs and outputs in number machines. Continuing sequences  Algebra: Describing sequences algebraically (nth term), solving equations | Algebra: Forming equations in context of angles, area and perimeter.  Geometry: Symmetry, Calculating missing angles, giving reasons for missing angles in diagrams, calculating area and perimeter, calculating with bearings | Statistics: Interpreting and Representing Data |
| **MFL:**  **French** | All about me | | Festivals and traditions | | | A trip to Paris | |
| **MFL:**  **German** | Festivals and traditions | | A trip to Berlin | | | All about me | |
| **MFL:**  **Spanish** | A trip to Barcelona | | All about me | | | Festivals and traditions | |
| **Music** | Elements of Music | African Rhythm | Keyboard Skills | | Instruments of the Orchestra | Programme Music | Cliches |
| **Religion Ethics and Philosophy** | Intro to REP and the Prophets | | Devotion and Community | | | Eastern Faiths | |
| **Science** | Forces Particle nature of matter | Energy Atoms, elements, and compounds | Pure & impure Chemical changes Cells | | Food & digestion  Sound | Reproduction Variation Electricity | Ecology Human impacts |