

Biology: Organisation

- Organisational hierarchy
- Human digestive system
- Food tests
- Digestive enzymes
- Factors affecting enzymes
- Breathing and gas exchange

Required practical: Food tests; Enzymes

Art: Shapes, Colour and Text

- Utilise own independent artist research to develop personal response
- Adapt and refine ideas using own research
- Express and communicate ideas through annotation
- Respond to an artists' artwork and style
- Plan out 2D final piece
- Develop creative use of sources

Computing: Standard Algorithms

- Ethical issues, environmental issues and legal issues with computing.
- Explore how rapid technological changes are shaping people's perceptions, the environment and the laws that govern us all
- Identify issues in GDPR and explain what is meant by the terms "fair use"; "file sharing" and "public domain"
- Computer Misuse Act

Mathematics

- Develop Fluency
- Reason Mathematically
- Solve Problems

Key topics in KS3:

- Number
- Algebra
- Ratio, Proportion and Rates of Change
- Geometry and Measures
- Probability
- Statistics

Drama: Blood Brothers

- How to use the SMEs to creatively explore (Practically) a contemporary play
- Articulate views on a range of characters and themes
- staging, props and costumes
- Develop and sustain a range of characters
- Explore the ways in which naturism can evoke empathy
- Social and historical context

History: Second World War

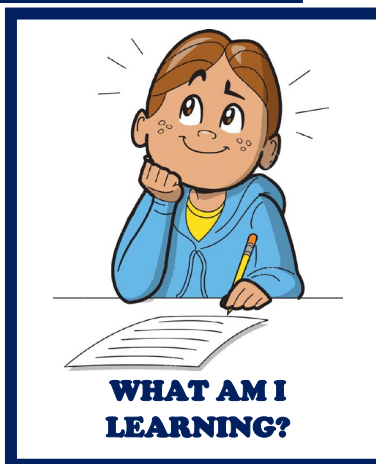
- What was the most significant reason the Allies won WWII?
- The causes of World War II, with a consideration of the impact this war had on another generation
- Why this war came to an end? This module will build on the students understanding of Europe post WWI
- International Relations

Design Technology: Food Technology

- Safe working is maintained whilst pupils follow a mainly practical course
- Cook more challenging dishes, with a wide range of cooking techniques (boiling, frying, steaming, roasting, etc. using different cookers such as electric, gas, microwave, etc. – which to use, when and how)
- Ready Steady Cook: Project Brief Research and Design Stage to show in-depth understanding of the theory of energy, nutrition and hygiene

English: Of Mice and Men

- Reading, comprehension, analysis skills and wider understanding of life, social and historical context, and controversial issues through focused study of an entire novel
- Language Skills: Evaluate texts critically and support this with appropriate textual references. Evaluation skills are by now embedded, so are improved as a class to tie in to implementation if these skills at GCSE level.



Geography: A Crowded World (Population)

- **Propositional Knowledge:** How has our global population changed over time? How is this population change distributed around the world? What are the reasons for this change in population and what are the potential problems we could face in the future?
- **Procedural Knowledge:** Pupils will understand reasons for a changing population and problems associated with this – migration, ageing population, rapid population growth.

PSHE: Health and Wellbeing

Topics: Addiction; Gambling; alcoholism; Drugs; Emotional Well-Being; Gangs and Knife Crime; Online Safety

Skills: Risk Management; Critical Thinking; Coping Strategies; Decision Making; Media Literacy; Communication and Debate Skills

Chemistry: Bonding and Structure

- Ionic bonding
- Ionic structure and properties
- Covalent bonding
- Small molecules and polymers
- Giant covalent
- Graphene and fullerenes
- Metals and alloys
- Nano-chemistry

French: A l'horizon!

- Talking about jobs, the advantages of learning languages, saying what you used to be like when you were younger and discussing and comparing past and plans for the future
- **Grammar** recap on masculine and feminine nous, recap on modal verbs, the imperfect tense, reviewing the simple future tense
- **Skills:** strategies for listening, speaking, reading, writing and vocabulary learning are revisited

German: Ambitions

- Talking about ambitions of the future; using the conditional tense; describing jobs
- **Grammar:** Using the present tense with 'seit' to say how long you using the conditional tense; prepositions and case, um...zu (in order to); word order- inversion, future tense
- **Skills:** strategies for listening, speaking, reading, writing and vocabulary learning are revisited

Spanish: Fitness

- Talking about healthy eating and an active life style; sports; describing daily routine; describing aches and pains
- **Grammar:** boot verbs; reflexive verbs; adverbs of frequency
- **Skills:** strategies for listening, speaking, reading, writing and vocabulary learning are revisited continuously

RE: Introduction to Islam

- An extensive first look at Islam: the history and origins on the faith; general practices; sources of authority; application to contemporary society. We aim to give an in depth understanding of the religion which gives excellent foundational knowledge for the GCSE specification.

Physics: Heating

- Density; States of Matter; Internal energy; Conduction; Specific Heat Capacity; Specific Latent Heat
- **Skills:** Selection/rearrangement of equations; Substitution into equations; Use of SI unit; Safe use of appropriate apparatus; Describing scientific processes; Drawing graphs of results; Drawing conclusions; Identifying variables; Writing methods; Analysing data; Identifying anomalous results; Calculating gradients

Music: Fusion Music

- **Theory:** Create a piece of Fusion using to of more different genres (fuse two or more elements); use Muse Score; Scales; Circle of Fifths; Chords (broken and block); drone, tala and raga; research the work of fusion musician, Ravi Shankar.
- **Practical:** Play and perform different types of Celtic Music and combine as Fusion
- **Listening:** Explore and perform examples of Musical fusion; introduction to GCSE level Spec

PE: Invasion (Football)

- Principles of attack and defence
- Using deception to create opportunities for others
- Decision making for skill execution
- Work effectively as a team while applying a set of game rules
- Implementing and refining team and individual game plans to outwit opponents
- Key Skills: Passing/Receiving; Shooting; Dribbling; Ball control; Defending/Marking/Tackling