

## Biology: Photosynthesis and Digestion

**Content:** Stomatal investigation; plant minerals; balanced diet; food tests investigation  
**Practical Investigations:** Stomatal investigation – investigate how the number of stomata vary on different leaves; Food Test Investigation

## Drama: Bugsy Malone

- Develop knowledge of different playwrights on 21<sup>st</sup> century and make comparisons between their works
- Understand the ways in which the SMEs are utilised to dramatise a set text
- Students' learning is scaffolded using the dramatic techniques and skills developed in Term 1 where students use simple role-play to build and sustain a character. This developed further and students expand their role-play into multi-role-play

## Chemistry: Earth's Structure

- weathering
- sedimentary rock
- metamorphic rock
- igneous rock
- the rock cycle

*Practical work is carried out to support and consolidate scientific concepts, to develop investigative skills and to build and master practical skills.*

## Spanish: Eating

- Giving opinions on food, describing mealtimes, ordering in a restaurant and describing food at a party, measurements, telling the time
- **Grammar:** tú and usted; negatives; future tense; verb conjugations; past tense
- **Skills:** strategies for listening, speaking, reading, writing and vocabulary learning are revisited

## Art: Emotions and Expressions

- Critical analysis of artwork from different times and culture
- Explore the links between art and culture
- Expressionism and reading messages and emotions in artworks
- Independent research skills; using research to inform artwork and ideas
- Give feedback; review own and others' work
- Develop experimental skills in a variety of media including biro pens, ink pens, oil pastels, watercolour paint, acrylic paint and charcoal

## History: The Slave Trade and Empire

- Slavery and its impact
- The British Empire with a closer focus on India as a case study
- Explore a number of interpretations to identify why there is no single narrative about British rule in India. Interpretations studied are both Victorian and modern so pupils can build their understanding of why the same event can be seen in a different way by different people during different time period

## English: WW1 Poetry

Building on the Year 7 study of Poetry from Other Cultures, introducing students to WW1 Poetry in Year 8 allows a deeper exploration of painful and important historical, national and cultural touchpoints and allows for a more nuanced and subtle understanding of issues such as war, conscientious objections and trauma. Students will explore context and historical events that may hold family or cultural significance, and links can be made to recent conflicts and present-day events

### LITERATURE SKILLS:

- Ideas and interpretations and using quotations
- Analysing the language, form and structure used by a writer to create meanings and effects, using relevant subject terminology



**WHAT AM I LEARNING?**

## RE: Sikhism

In line with SACRE requirements for Merton, we move on to study Sikhism as the second unit in year 8. We again look at core themes such as origins, core beliefs and practices. Students will consider the importance of protest and social responsibility for Sikh, as well as the application of key beliefs within Sikhism to modern society.

## Physics: Forces

**All students will learn about:** contact and non-contact forces; gravity and weight; resultant forces; spinning; changing shape; speed  
**Some students may also learn about:** the Earth's gravitational field; acceleration; stopping distance

## Music: Caribbean and Reggae

**Theory:** Performing syncopation, 2<sup>nd</sup> and 4<sup>th</sup> beats; Writing and performing triplets; Reading and writing dotted notes; experimenting with instruments; Key Terms: syncopation, polyrhythm, ostinato, rhythmic notation, timbre (apply these in small group class performance)  
**Practical:** Keyboard and singing: songs by Bob Marley, UB40, Corrine Bailey Rae (No Woman No Cry, Three Little Birds, One Love)  
**Listening:** identify, explore and make creative use of musical devices found in Caribbean Music: Reggae

## Computing: Networks and the Web

- To learn more complex programming techniques using a text-based language
- Students will learn about the following: print, loops, Variables, if statements, else statements, arithmetic expressions, create simple programs that use selection, different data types, string, integer, float and Boolean, relational operators to form logical expressions, predict answers to conditions and test out in python, use flowcharts to write an algorithm for coding tasks, how iteration (while statements) controls the flow of program execution, use a range of loops in python programming (count controlled loop and while loop)

## Design Technology: Food Technology

- Safe working is further emphasised, a further variety of cooking and food types are introduced and hygiene, energy and nutrition are studied in depth
- Provide ongoing theory and practice of designing and making a range of dishes that are mainly savoury: source, seasonality and characteristics of a broad range of ingredient; healthy and varied diet become competent in a range of cooking techniques; awareness of taste, texture and smell to decide how to season dishes and combine ingredients; adapting and using their own recipes

## Geography: A Different World (Emerging Countries)

- **Propositional Knowledge:** The world's countries using atlas maps to focus on Asia, investigating key physical and human characteristics, countries and major cities
- **Procedural Knowledge:** How diverse Asia is as a continent; investigate, using a range of geographical data including the use of GIS to determine the reasons why countries in Asia are emerging as global superpowers

## French: Mon identité

- Talking about personality and opinions on others, discussing relationships, talking about musical tastes, style and what they are passionate about.
- **Grammar:** adjectival agreements, reflexive verbs in present tense, the near future, mixing 3 tenses
- **Skills:** strategies for listening, speaking, reading, writing and vocabulary learning are revisited continuously

## German: Healthy Living

- Giving opinions on food; describing mealtimes; ordering in a restaurant; instructions; describing healthy lifestyles
- **Grammar:** the imperative, modal verbs, opinions, word order with time phrases
- **Skills:** strategies for listening, speaking, reading, writing and vocabulary learning are revisited continuously

## PE: Invasion (Football)

- Principles of attack and defence
- Finding, using and denying space
- Making decisions quickly and efficiently
- Application of game rules
- Work effectively as a team
- **Key Skills:** Passing/Receiving; Shooting; Dribbling; Ball control; Defending/Marking/Tackling

## Mathematics

- Develop Fluency
- Reason Mathematically
- Solve Problems

### Key topics in KS3:

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

## PSHE: Health and Wellbeing

Students will learn how to make healthy choices regarding their health. This will include; getting help from the NHS and why vaccines are important. Prompting a healthy body image, healthy eating.  
**Topics:** Smoking & vaping; Vaccines; Eating disorders; Personal Hygiene; Mindfulness; First Aid; Online Safety; Eating disorders, healthy living; First Aid  
**Skills:** Accessing support; Risk management; First Aid; Critical Thinking; Communication; Evaluation