

# Year 10 Half Term 5 Topics

## English

Students will complete their first study of 'The Merchant of Venice' and continue work on poems from the anthology. In Language lessons they will begin to draw together their work on individual question types and look at whole exam papers.

## Maths

Foundation - Fractions, Transformations, Trig and recipes of previous knowledge. Higher - Indices, Probability, Statistics and Standard Form

## Science

AQA - Biology - B4 - Bioenergetics (Photosynthesis, Respiration), Chemistry - C4 (Chemical changes) + C5 (Energy Changes), Physics - P4 (Particle model)

## Electronics

Students are completing their breadboard models of circuits that they have designed. They will then create a PCB design of their final solution.

## Health and Social Care

Students are completing their Component 1 NEA assessment. They will then start learning about the Component 2 content 'services and values'.

## Engineering

Students are completing their first NEA task and creating engineered parts for their clamps. They will begin their 'designing engineered products'.

## Hairdressing and Beauty Therapy

Business and entrepreneurship in the Hair and Beauty sector

## Hospitality and Catering

Looking at the role of the EHO and understanding the importance of nutrition

## Computer Science

Data Storage: convert positive denary whole numbers to binary numbers (up to and including 8 bits) and vice versa, to convert binary integers to their hexadecimal equivalents

## Geography

Year 10 will be completing the 'Challenges in the Urban Environment' unit. We will finish our study of Rio de Janeiro and then move a little closer to home, looking at opportunities and challenges in Sheffield.

## History

Year 10 will be finishing the Medicine in Britain unit. They will be moving first to the 18th and 19th centuries. Looking at the causes, treatment and prevention of disease. Alongside the key individuals who changed medicine.

## Life

Human Rights; what are Human Rights, why are they important and what happens when they are broken?

## MFL

Year 10 MFL students will start to prepare for the speaking exam. They will hone their skills in the Role Play and Photo Card tasks and prepare their own individual answers to General Conversation questions in order to be ready for a full mock speaking exam in the final half term.

## Art

Students are developing a project. They chose their own starting point loosely based on landscape, portrait or still life. They have checklists to help them explore the criteria and meet the assessment objectives for Component 1 (60%) - Portfolio. They will then move on to Component 2 (40%). Students are develop their work leading up to a plan for a piece to complete in the 10 hours. From 5/05/23 till May half term they will develop and refine Component 1.

## Music

Focusing on the free composition coursework this term. Developing analysis skills in their planning. Continue with a performance focusing on ensemble skills. Listening will also focus on the application of the assessment criteria.

## Drama

Devising unit - First unit of assessed work for examination

## P.E.

Athletics (track & field), Cricket (batting & bowling), Tennis (groundstrokes, volleys & serve)

## Sports Studies

Factors that influence the risk & severity of injuries