

# RAP<sup>V</sup> V2

## Autumn 2<sup>nd</sup> Half-Term

### Maths

This term, students will focus on fractions, decimals and percentages. Students will recap all knowledge taught in V1 FDP. They will consolidate this knowledge in order to convert efficiently between each representation, students will use this to solve problems which require knowing percentage, fraction and decimal equivalents.

### English

Students, in our vocational suite focus on all 3 key aspects of English: Reading, Writing, Speaking and listening.

This entails the following - Reading comprehension for Functional skills/AQA/IGCSE English Language exams. The study of Audience, Form and Purpose is also highlighted and developed. This ultimately leads to the study of different writing styles (Persuasive, Instructive, Argue, Describe) and their key features.

As a result, we encourage students to develop their individual writing styles with the aim to add depth and detail to their written work. This all benefits examination skills. RAPV students are further supported in finding their own voice and developing their vocabulary fully.

Students will engage with an array of established novels, short stories and well-written articles.

### Science

Students will complete the following:

Explain the heart's anatomy and adaptations, including the arteries, veins, and capillaries, as well as the causes and treatments of coronary heart disease. I can describe the main plant structures, such as xylem, phloem, and root hair cells. Show what happens during photosynthesis using the photosynthesis symbol equation, and use diagrams to explain how limiting factors affect the rate of photosynthesis, as well as recall respiration and metabolism. Explain how different components of the neurological and endocrine systems, such as the reflex arc, blood glucose levels, and the menstrual cycle, are employed to perform voluntary and involuntary behaviours. Type 1 and 2 diabetes, as well as the menstrual cycle, can be assessed.

### Construction

This second half of the Autumn term we will be learning about painting and decorating and bricklaying. As well as a construction technology unit, which is about roofs, walls and foundations.

### Art

This term students are investigating the theme of Power and Weakness. They are creating mind maps, artist research pages and photomontage and spraying painting techniques around the theme. This work goes towards their GCSE portfolio, which will be marked in May.

## ICT

We will be learning about Health & Safety - Display Screen Equipment legislation. Students will be auditing their working environment to identify and solve risks. *Functional Skills Level 2 content: manage information storage to enable efficient retrieval / use appropriate search techniques to locate and select relevant information / select information from a variety of sources to meet requirements of a complex task.*

## PSHE

Living in the Wider World

Next steps

We will be identifying effective revision techniques and strategies. We will be exploring post-16 options and application processes, including writing CVs, personal statements and interview techniques.

## PE

Badminton - To use a range of different techniques to be able to beat an opponent. Students will have a full understanding of rules and regulations. Students will be able to compete in a full game of badminton with an understanding of all rules and regulations. Students will learn the different types of shots used in badminton.

## Music

UNIT 1 aims to provide the learner with knowledge of studio equipment and functions. Learners will then use a variety of equipment to produce and record sound sources. This unit will allow learners to develop communication and ICT skills when using the equipment, whilst allowing them to develop a sound understanding of studio and broadcast technology.

Pupils will be able to assist with a recording studio production session.

## Catering

We will be exploring and evidencing understanding of the principles and practice of food safety and hygiene as part of our BTEC coursework. We will demonstrate this weekly in our use of preparation and cooking skills and in our assessment booklet.