

# RAP<sup>V</sup> V2

## Autumn 1<sup>st</sup> Half-Term

### Maths

Use of number and the number system: students at Level 2 are expected to be able to use numbers of any size; read, write and make use of positive and negative integers of any size; use, order and compare integers, fractions, decimals, percentages and ratios as well as recognise the value of a digit in any whole or decimal number. They can use numerical and spatial patterns for a purpose and calculate with, and convert between, numbers written as fractions, decimals, percentages and ratios.

### 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 examine the key organelles and their functions in eukaryotic and prokaryotic cells, as well as describe the cell cycle and give examples of specialised cells with their unique characteristics. Students will be able to evaluate how stem cells are used in animal and plant cells. Diffusion, osmosis, and active transport will be compared and examples will be given. Students describe how temperature and substrate concentration affect enzymes. Students must explain how the structure of arteries, veins, and capillaries, as well as major plant structures and cells, is related to their function.

### Construction

Learners will be studying the Pearson BTEC level 1/2 Introductory Award/Certificate in Construction. This first half of the Autumn term we will be learning about carpentry and making simple joints and frames using hand tools only. We will also learn about tools, equipment and materials in carpentry.

We will also be studying a unit about construction technology, which is about roofs, walls, floors and foundations.

### Art

This term all Y11 students are working towards GCSE art. They are investigating the theme of Power and Weakness. They are creating mind maps, artist research pages and photomontage around the theme. This work goes towards their GCSE portfolio, which will be marked in May.

## ICT

Students will consider Internet Freedoms and limitations and the importance of Data Protection. We will learn about Spam and Phishing and Security and Firewalls. Functional Skills Level 2 content: *plan solutions to complex tasks by analysing the necessary stages / select, interact with and use ICT systems safely and securely for a complex task in non-routine and unfamiliar contexts.*

## PSHE

Health and Wellbeing

Building for the future

We will be exploring stress, stress management and how to maintain a healthy self-concept through building emotional resilience and developing healthy habits for self-care. We will focus on balancing ambition, motivation and perseverance for future opportunities.

## PE

Boxing - students will have selected their Stance and to develop footwork, and be able to demonstrate a number of combinations, they will also be able to demonstrate each style of punch. The level of sparring may change (coaches discretion) discipline – explain how to develop their Mental Toughness.

## 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 understand the role of common items of recording studio equipment.

## Catering

Introduction to the BTEC Home Cooking Level 2 unit, with focus on the structure of learning and assessment. We will cook each week following a demonstration and discussion. We will be identifying our skill development by completing either a sensory evaluation or a BTEC skills sheet.