

Redbridge Alternative Provision - Year 11: Autumn 1.1

English	Maths	Science
<p>In English this half term students will be participating in the speaking and listening unit. This will require all students to participate in group debates as well as presenting a topic of their choice. Students will be required to research a topic of their choice, extract key points, and compare and contrast the information collected in order to create a presentation. The unit will conclude with students presenting their topic and participating in a group debate regarding a social issue. Students will read a range of relevant texts, with the emphasis being on retrieval, summarising and clarifying.</p>	<p>In Maths this half term students will study number properties by using 4 operations and directed numbers to solve worded problems and be confident with reciprocals, understanding that x by 0.2 is the same as divide by 5 and equivalent. Following this, students will learn how to derive the formula for finding the sum of interior angles of any polygon is $180(n-2)$, where n represents the number of sides. Finally, students will write and calculate using numbers in standard form with no calculator, using the rule for indices.</p>	<p>In Science this half term, students will study Homeostasis and Inheritance, Variation and Evolution. They will explore the regulation of internal conditions, nervous and endocrine system functions, and hormonal control including diabetes and reproduction. Students will investigate genetic concepts such as meiosis, DNA structure, Punnett squares, and genetic variation. They will evaluate evolutionary principles, selective breeding, genetic engineering, and the evidence for evolution including fossils and antibiotic resistance. The unit includes data interpretation, ethical considerations, and practical activities like DNA extraction and modelling inheritance to deepen understanding of biological systems and genetic diversity.</p>
PSHE	Art	PE
<p>In PSHE this half term, learning will focus on stress management and future opportunities. Students will build on their skills of self-efficacy and learn how to maintain a healthy self-concept. Students will also explore how to balance ambition and unrealistic expectations. Furthermore, students will assess the nature and effects of stress such as exam related anxiety, exploring stress management strategies, developing skills of resilience and the understanding of healthy sleep habits. Students will build on previous learning around how to manage the judgements of others and challenge stereotyping. Additionally, students will learn positive and safe ways to create content online and the opportunities this offers.</p>	<p>In Art this half term students will be learning how to critically review and refine their Year 10 sketchbook work to strengthen coverage of all assessment objectives. Students will improve annotation, extend experiments, refine compositions, and address any gaps in research or development. The focus will be on raising the quality of presentation, analysis, and reflection in preparation for independent and exam-based work.</p>	<p>In PE this half term, students will study football and basketball, developing core skills and tactical awareness through structured warm-ups, drills, and game play. In football, students will focus on attacking with width and speed, use of dummies and fakes, defensive formations, and passing and shooting techniques, emphasising agility and balance. In basketball, students will develop dribbling, shooting, screening, and defensive strategies including man-to-man and zone marking. Activities involve teacher modelling, group discussion, and small-sided games to enhance teamwork, communication, and strategic understanding.</p>
Geography	Food Technology	History
<p>In Geography this half term students will be studying the UK's evolving human landscape - an overview of the changing and varied human landscape of the UK, including the socio-economic and political processes that influence it. Our case study of a major UK city will be London. Students will look at social economic and political aspects of London and how the city became a globally recognised city. Students will also examine the challenges the city faces. In addition we will look at Bristol, a dynamic city in the UK, and how the city has changed over time along with what factors have influenced the changes.</p>	<p>In Food Technology this half term students will explore different specialist equipment used in the kitchen and how to use them safely. Following this, students will look at different cooking methods of preparing foods and the correct equipment that should be use. Students will be aware of ingredients that can be used to marinade and flavour foods. Finally, students will explore the ways in which they can test for readiness. As students look at these areas, they will also make a mixture of products from a range of products including Stir-fry, Spaghetti Bolognese, Flat Bread and Chicken.</p>	<p>In History this half term students will be studying 'Britain: Health and the people: c1000 to the Present Day'. Students will begin by exploring the medical options for a poor or rich person in the Medieval period. Following this, students will assess the contribution of Medieval Islamic medicine to medical progress. They will then describe the public health conditions in Medieval towns. After this, students will explain the impact of the Renaissance on medicine and describe traditional and new methods of treating disease in the seventeenth and eighteenth centuries. Finally, students will explain how Edward Jenner made his discovery about smallpox vaccine and the opposition he faced.</p>
Business Studies	Construction	Sports
<p>In Business Studies this half term we will be covering Unit 2, Topic 8, 'Making Operational and Financial Decisions.' Students will begin by exploring the different types of production (job, batch and flow) before analysing the impact productions processes have in productivity and costs. Following this, students will evaluate the importance of stock control, interpret bar gate stick graphs and discuss the concept of JIT stock production. Finally, students will calculate gross profit margin, net profit margin and annual rate of return before explaining the use and limitations of financial information in relation to business performance and decision making.</p>	<p>In Construction this half term we will be beginning two Units, Unit A2 'Developing a Personal Progression Plan' and Unit 7 'Making Carpentry Joints'. In the first unit students will begin by researching and discussing the progression opportunities that may be available to them, and completing a skills audit. Alongside this, students will begin to explore the basic skills involved in carpentry, exploring the different types of tools and equipment used to shape and cut timber. Students will experiment with tools and equipment and will observe and use a setting out rod when practicing making simple joints.</p>	<p>In Sports Science this half term, students will focus on Fitness. They will learn about the components of fitness required in different sports and understand the principles of training. Students will explore exercise intensity and methods to measure it, including heart rate monitoring and perceived exertion. They will examine the reasons for fitness testing, pre-test procedures, and how to conduct various fitness tests using appropriate equipment. Students will practice interpreting fitness test results and compare them to normative data, applying their knowledge to different sports. Activities include case studies, group work, practical tests, and data analysis to deepen understanding.</p>