

Redbridge Alternative Provision - Year 9: Autumn 1.1

English	Maths	Science
<p>In English this half term students will be studying fantasy writing. This unit will focus on developing students' writing skills. In order to achieve this, students will complete a variety of tasks such as learning the key fantasy features and other world settings, and applying it in their writing. Students will conclude the unit by writing a creative story, implementing the skills they have developed throughout the unit. They will be reading fictional extracts such as The Hobbit and Harry Potter. The reading sessions will focus on inference and clarifying.</p>	<p>In Maths this half term students begin exploring indices by using a combination of powers, roots, fractions and brackets to include negative and zero indices. Students will then move on to writing very large and small numbers in standard form. They will use their Algebra skills to solve linear equations to include fractions and unknowns on both sides. Students will apply mathematical knowledge to substitute into formulae and then to rearrange formulae by changing the subject. Finally, students will look at factorising Algebraic expressions as well as expanding brackets.</p>	<p>In Science this half term students will deepen their understanding of cells and how they specialise. They will classify cells as eukaryotic or prokaryotic and revisit the functions of sub-cellular structures. Students will practise using microscopes and learn how electron microscopes provide greater detail. They will investigate bacterial growth using agar and apply aseptic techniques safely. Students will also study the three main methods of cell transport: diffusion, osmosis, and active transport, linking them to adaptations in specialised cells. They will learn how cells divide by mitosis for growth and repair, and how cancers can develop from uncontrolled growth. Finally, they will be introduced to stem cells and their use in medical research.</p>
PSHE	Art	PE
<p>In PSHE this half term, learning will focus on peer influence, substance use and gangs. Students will recap and build on previous learning about the qualities of healthy and unhealthy relationships, now applying this to social groups. Students will learn to assess risk and manage influences and will identify the dangers of 'group think' and how it affects behaviour. Students will be able to recognise passive, aggressive and assertive behaviour and how to communicate assertively. Additionally, students will learn about gang exploitation and the legal and physical risks of carrying a knife. Furthermore, students will discuss substance misuse and learn about the legal and health risks of drug and alcohol use.</p>	<p>In Art this half term students will be learning how to create repetition, pattern, and rhythm in Art. They will explore repeated line designs, patterns using line, shape, and colour, and grid-based compositions. Students will study motifs inspired by William Morris and develop their own motifs for monoprinting and relief printing, experimenting with surface decoration, layering and texture.</p>	<p>In PE this half term students will concentrate on further developing their skills and tactical judgement in both football and basketball. In football, they will focus on perfecting advanced techniques in dribbling, passing, shooting, and defending, with a strong emphasis on strategic play, team dynamics, and positional awareness. Basketball lessons will aim to enhance their dribbling, passing, shooting, and defensive skills, incorporating complex plays and strategies to improve team coordination and game intelligence. These activities are designed to boost their physical fitness, deepen their tactical understanding, and strengthen their collaborative abilities, preparing them for more competitive and strategic levels of sport.</p>
Geography	Food Technology	History
<p>In Geography this half term the students will study the topic 'What Are The Challenges And Opportunities Facing Africa?' They will explore the physical and human geography of Africa and consider the importance of natural resources of Africa. Students will identify the effects of European colonialism and consider how those effects have shaped Africa's present. They will examine the differences in levels of development across African countries and consider different points of view about development in African countries. Finally, students will identify the pattern of climate zones and biomes across Africa.</p>	<p>In Food Technology this half term, students will explore shopping and budgeting by examining local stores, supermarkets, and online platforms to find the best value and convenience. They will learn to identify cost-effective supermarkets, understand the advantages and disadvantages of various shopping options, and develop money-saving strategies. Students will create budgets for weekly food shopping and learn to spot discounts and cost-effective ingredients without compromising quality. This unit builds on skills such as recognising coins, reading price tags, and comparing unit prices, supporting mathematical understanding of ratios and real-life financial decision-making linked to science and PSHE themes.</p>	<p>In History this half term students will be studying 'The Great War'. Students will begin by exploring and judging Britain's place in the world at the beginning of the twentieth century. This knowledge will then be used to identify short and long-term causes of the Great War. Following this, students will describe the typical experiences of a soldier in the trenches. Finally, students will evaluate what finally won the vote for women.</p>