

Redbridge Alternative Provision - Year 9: Autumn 1.2

English	Maths	Science
<p>In English this half term students will be studying the Malorie Blackman novel, 'Noughts and Crosses'. The unit will aim to develop students' understanding of a range of social issues such as discrimination and the class system. Students will analyse the writer's choice of words and interpret the text. Students will conclude the unit by writing an article on the importance of educating people on racism. Students will read Noughts and Crosses and a range of case studies in order to understand the concept of segregation. The reading sessions will focus on retrieval, predicting and summarising.</p>	<p>In Maths this half term, students will explore key aspects of data handling and multiplicative reasoning. They will plan and conduct surveys, design questionnaires, and collect data, presenting findings using stem-and-leaf diagrams, scatter graphs and lines of best fit. Students will calculate averages, estimate the mean from grouped data, and analyse outliers. Alongside this, they will study enlargement using positive, negative and fractional scale factors, solve percentage change problems, and work with compound measures such as speed and density. They will also tackle best-buy and inverse proportion problems, applying proportional reasoning to everyday scenarios and multi-step problems.</p>	<p>In Science this half term students will study the structure of atoms and how our understanding of atomic models has developed. They will explore the nuclear model and consider how scientific discoveries have changed ideas over time. Students will learn about isotopes, relative atomic mass, and the arrangement of the periodic table, linking properties of elements to their electronic structures. They will investigate patterns and distinct properties within key groups, such as Group 1 and Group 7, and compare their reactivity. Students will also examine the historical development of the periodic table, focusing on Mendeleev's contribution, and reflect on how scientific understanding continues to evolve as new evidence emerges.</p>
PSHE	Art	PE
<p>In PSHE, this half-term learning will focus on developing students understanding of Sikhs. Students will revisit previous learning about the Supreme Truth. Following this, students will discuss their own experience and understanding of Sikhism. Students will then explore Sikh values and make links to the values of NRHS and the British Values. Students will learn about key elements of the Sikh faith, such as Diwali. Students will experience sensory elements of Sikhism by learning about the Golden Temple via a virtual tour. Students will also visit a local Gurdwara to bring their learning to life.</p>	<p>In Art this half term students will be learning Zentangle and Pop Art design, focusing on pattern, rhythm, and popular culture imagery. They will explore rhythm by repeating elements, create intricate Zentangle patterns, and combine multiple designs to create contrast and variation. Students will research Pop Art, analyse its use of bold imagery and repeated motifs, and design Pop Art inspired compositions that integrate pattern, rhythm, and colour.</p>	<p>In PE this half term students will concentrate on further developing their proficiency and strategic understanding in handball and athletics. In handball, they will refine passing, catching, and shooting skills while deepening their knowledge of advanced tactics and team dynamics. Athletics lesson will prioritize the refinement of running, jumping, and throwing techniques, with a focus on specialized event training and enhancing overall athletic performance. These activities aim to cultivate students' physical capabilities, strategic thinking, and competitive edge, laying the groundwork for continued growth and success in both sports.</p>
Geography	Food Technology	History
<p>In Geography this half term students will continue their topic on Africa. They will identify the causes and consequences of desertification in the Sahel, along with possible solutions. They will examine the population distribution of Africa and identify the reasons for population change. Students will also consider the challenges and opportunities presented by these changes examining the scale of urbanisation in Africa and investigate the challenges and opportunities of life in a growing city. Finally, students will investigate the trading links between African countries and China, considering different viewpoints to identify reasons for this trade.</p>	<p>In Food Technology this half term, students will focus on developing and adapting recipes by researching a variety of dishes while maintaining nutritional balance. They will design innovative recipes based on their research and trial products through taste-testing and feedback collection to improve outcomes. Students will learn to write evaluation reports and plan nutritious, home-cooked meals emphasizing balance, flavour, and cost-efficiency. This unit reinforces skills in following recipes, sensory analysis, food safety, and budgeting. The work connects mathematical proportional reasoning and scientific sensory techniques, while also addressing cultural and dietary considerations relevant to PSHE and religious studies.</p>	<p>In History this half term students will continue studying 'The Great War'. Students will begin by exploring and explaining what kind of weapons were used in WW1 and why these weapons were so deadly. Students will use this knowledge to describe the impact of 'shell shock'. Following this, students will judge the contribution of soldiers from the British Empire that fought for Britain. Finally, students will describe how the Great War affected everyday life in Britain and why the 11 November is remembered today.</p>