

Redbridge Alternative Provision - Year 9: Spring 2.2

English	Maths	Science
<p>In English this half term, students will explore the poetic qualities of pop and rap lyrics, using literary analysis to examine how language and tone convey meaning. They will compare musical genres such as hip-hop and rock to develop an understanding of cultural identity, emotion, and self-expression through lyrics. Drawing on prior knowledge of poetic devices, students will create their own poems and raps that reflect location and emotion, while critically evaluating lyrics from artists like Tupac and Benjamin Zephaniah. Through this, they will deepen their understanding of how music and poetry intersect as forms of social commentary and personal expression.</p>	<p>In Maths this half term students will investigate the relationship between the circumference and diameter of circles before moving on to application of formulae to calculate the area and circumference of circles. Students will be introduced to the Theorem of Pythagoras and apply this theorem to find the unknown sides of right-angled triangles. This application will include solving real-life problems. Moving on students will then explore and use formulae to calculate the volume and surface area of prisms. Finally, students will find the lower and upper bounds for a measurement.</p>	<p>In Science this half term students will study how substances store and transfer energy. They will investigate internal energy and how it changes with heating. Students will compare conduction, convection, and radiation as methods of heat transfer and describe their similarities and differences. They will use practical experiments to measure specific heat capacity, apply the formula to different materials, and interpret what the values show. Students will also study specific latent heat of fusion and vaporisation, learning how energy changes occur without temperature change. By comparing these concepts, they will develop a clearer understanding of how energy is transferred and stored in different states of matter.</p>
PSHE	Art	PE
<p>In PSHE this half term learning will focus on healthy lifestyle, including the relationship between physical and mental health. Students will explore the importance of balancing work, leisure, exercise and sleep and learn how to make informed healthy eating choices. Using critical thinking and decision-making skills students will evaluate strategies to manage negative or less reliable influences on body image. Furthermore, students will learn the importance of making independent health choices. Students will revisit previous learning on emergency first aid and learn about how to take increased responsibility for physical health, including symptoms, self – examination and the importance of seeking early help.</p>	<p>In Art this half term students will be learning how to construct 3D Op Art installations. They will scale up 2D designs onto cube/cuboid templates, plan each face with contrasting optical patterns, and assemble the cube/cuboid to explore how patterns interact spatially. Students will apply construction, contrast, and perspective techniques to create dynamic, three-dimensional optical illusions.</p>	<p>In PE this half term students will participate in rugby and badminton. They will start by refining their skills and understanding of both sports, focusing on techniques such as passing, tackling, and strategic gameplay in rugby, and serving, smashing, and court positioning in badminton. Through structured activities scrimmages, and competitive matches, students will deepen their understanding of game tactics, teamwork dynamics, and sportsmanship principles. By fully engaging with these sports, students will not only enhance their physical abilities but also develop crucial communication, collaboration, and decision-making skills essential for success both on the field and the court.</p>
Geography	Food Technology	History
<p>In Geography this half term the students will continue their topic on 'Earthquakes and Volcanoes'. They will discover what an earthquake is and the damage they may cause. Students will explain what causes earthquakes and discover how they are measured. They will consider how people manage risk in earthquake zones and explore how they prepare for earthquakes. Students will consider that the stage of a country's development can affect the way the risk of living in an earthquake zone is managed. Finally, students will discover how volcanic eruptions can be monitored and predicted.</p>	<p>In Food Technology this half term, students will study dietary needs across different life stages, lifestyles, and cultural contexts. They will learn how nutritional requirements change from infancy through adulthood and aging, focusing on essential nutrients like protein, calcium, iron, and vitamins. Students will calculate and adjust energy needs according to activity levels and apply this knowledge to meal planning. They will also explore diverse cultural diets, researching traditional dishes and accommodating dietary restrictions such as halal, kosher, vegetarian, and vegan. This unit integrates scientific understanding of nutrient absorption, cultural awareness, and mathematical calculations of energy intake for balanced nutrition.</p>	<p>In History this half term students will be studying the period 'Between the Wars and the Second World War'. Students will begin by exploring and outlining Hitler's journey to politics, assessing how life under the Nazi dictatorship differed from the democratic system we live in today. This knowledge will then be used to explain why war broke out in 1939. Following this, students will identify key turning points of the war. They will investigate how and why the Nazi's organized the mass murder of millions of Jews. Finally, students will explain how and why the USA joined the Second World War.</p>