

Redbridge Alternative Provision - Year 9: Summer 3.1

English	Maths	Science
<p>In English this half term students will be developing their speaking and listening skills by participating in a range of debates and classroom discussions. Students will be introduced to the concept of the Aristotelian triad. This will consist of understanding a range of rhetorical methods. Students will explore range of texts in a bid to develop an understanding of imperative and modal verbs, in order to examine their effectiveness. Finally, students will participate in a debate about climate change. Students will be reading a variety of texts and case studies. The focus will be on predicting and inference.</p>	<p>In Maths this half term students will be using an investigational approach on how linear graphs are linked to equations in the form of $y = mx + c$. Students will investigate the relationships between parallel lines and perpendicular lines when looking at their gradients and then draw and interpret non-linear graphs. Students will look at probability experiments identifying mutually exclusive outcomes and events. They will learn to recognise that some outcomes cannot occur simultaneously. They will complete a sample space diagram and two-way tables to show all possible outcomes of events. Finally, students will construct Venn diagrams to represent sets of data that are not mutually exclusive.</p>	<p>In Science this half term students will study quantitative chemistry alongside genetics. In chemistry, they will interpret chemical formulae, calculate relative masses, and balance equations. Students will learn about conservation of mass, percentage composition, and concentration, carrying out practical work to prepare salts using filtration, evaporation, and crystallisation. In biology, they will study sexual and asexual reproduction, meiosis, and the role of DNA. Students will explore protein synthesis and how mutations affect proteins, and they will use Punnett squares and family trees to predict inheritance patterns. They will also examine genetic disorders and Mendelian inheritance, developing their ability to calculate probabilities and explain variation in offspring.</p>
PSHE	Art	PE
<p>In PSHE this half term, learning will focus on relationships and sex education. Students will revisit previous learning around readiness for sexual activity, the choice to delay sex, or enjoy intimacy without sex. Students will identify myths and misconceptions relating to consent and will learn about the continuous right to withdraw consent and the capacity to consent. Furthermore, students will learn about STIs, effective use of condoms, negotiating safer sex and the consequences of unprotected sex including pregnancy. Students will reflect on inaccurate and dangerous messages perpetuated by the media and pornography and how this might affect expectations. Additionally, students will learn how to assess and manage risks of sending, sharing or passing on sexual images.</p>	<p>In Art this half term students will be learning landscape drawing and collage with texture, depth, and tonal contrast. They will research collage artists, practise linear and atmospheric perspective, and produce studies showing foreground, middle ground, and background. Students will prepare textured papers and construct layered collages that demonstrate composition, spatial awareness, and the use of tonal contrast to create depth.</p>	<p>In PE this half term students will focus on the strategic gameplay of netball and tennis. They will begin by mastering the fundamental skills and rules of both sports, focusing on techniques such as passing, shooting, and defensive positioning in netball, and serving, rallying, and court movement in tennis. Through structured activities, practice matches, and game simulations, 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, coordination, and strategic thinking skills essential for success both on the netball court and the tennis court.</p>
Geography	Food Technology	History
<p>In Geography this half term the students will study 'Climate Change and The Earth's Future'. Students will identify the evidence for climate change and apply understanding of learning from earlier topics to their understanding of the subject. They will examine the Natural and Human causes of climate change and investigate how changes to greenhouse gases can lead to climate change. Finally, students will consider the future consequences of climate change on the physical and human geography of the planet.</p>	<p>In Food Technology this half term, students will explore how social and technological changes over the past 50 years have influenced diets, food production, and consumption. They will investigate the decline in cookery skills and propose solutions to address this issue. Students will assess the health impacts of popular diets such as keto, vegetarian, and intermittent fasting, evaluating their nutritional benefits and risks. The role of food technology, including meal replacements and engineered foods, will be examined in supporting these diets. Students will critically assess nutrition fads using scientific research and reflect on their health and environmental impacts through case studies and presentations.</p>	<p>In History this half term students will be studying 'Germany 1890-1945'. Students will explore Germany and the growth of Democracy. Students will examine the growth of Parliamentary Government and the influence of Prussian militarism during Kaiser Wilhelm II's rule. They will explore how Germans felt in relation to the impact of industrialisation, socialism and the Naval Laws. Students will assess the impact of war on Germany and consider the ways in which Germany was punished by the Treaty of Versailles. Finally, students will identify how the Weimar Republic was established and describe the problems that the new republic faced</p>