

Redbridge Alternative Provision - Year 10: Summer 3.2

English	Maths	Science
<p>In English this half term students will study <i>Rich Dad, Poor Dad</i>. They will explore connotations and denotations, discussing how words with similar meanings can have different effects on readers. Students will develop an understanding of semantic fields and learn to interpret texts critically. They will analyse the use and impact of various literary devices, including how sentence types and lengths affect tone and tension. Students will apply these skills by reading and comparing articles, identifying language techniques, and finally writing a short story incorporating literary devices and narrative techniques studied throughout the year.</p>	<p>In Maths this half term students will study <i>Graphs, Equations, Inequalities, and Further Proportion</i>. They will develop skills in solving equations with variables on both sides, including those with brackets, and inequalities, representing solutions on number lines. Students will explore plotting and interpreting straight-line graphs, including finding gradients and equations from coordinates. They will also learn to plot quadratic and reciprocal graphs, understanding their shapes and roots. Students will apply repeated percentage change in growth and decay problems, and work with compound interest calculations. Throughout, they will develop confidence in graphing functions and solving related real-world problems.</p>	<p>In Science this half term, students will study <i>Atomic Structure and Forces</i>. They will learn about the size and structure of atoms, including protons, neutrons, and electrons, and understand isotopes and atomic numbers. Students will explore the history of atomic models and how new evidence leads to model changes. They will investigate radioactive decay, types of radiation, half-life, and safety precautions. The unit also covers forces, differentiating scalar and vector quantities, contact and non-contact forces, weight versus mass, force diagrams, work done, and elastic deformation. Students will apply equations to calculate weight, work, and spring forces, and analyse motion and energy transfers.</p>
PSHE	Art	PE
<p>In PSHE this half term, students will explore Work Experience. They will evaluate their strengths and interests in relation to career development and explore various learning and work opportunities. Students will identify strategies to overcome challenges and understand workplace responsibilities, including health and safety. They will build skills to manage practical problems and reflect on their work experience to enhance personal growth. Activities include developing CVs, practising interview techniques, researching career routes, and exploring transferable skills. Interactive tools and group discussions support students in preparing confidently for employment and navigating workplace challenges effectively.</p>	<p>In Art this half term students will be learning how to plan, refine, and realise a personal final outcome under exam conditions. Students will use thumbnails, media testing, and mock-ups to develop ideas before producing a resolved final piece that brings together research, experimentation, and technical skill. They will complete written evaluations linked to the assessment objectives and refine their sketchbooks to ensure clarity, coherence, and readiness for assessment.</p>	<p>In PE this half term, students will study fitness, athletics, table tennis, kwik cricket, and rounders. They will develop cardiovascular endurance through the Cooper's test, complete various fitness assessments, and learn circuit training techniques focusing on muscle groups and fitness components. In table tennis, students will refine shots such as push, slice, and topspin, practising serves and tactical play in singles and doubles. Kwik cricket and rounders lessons will emphasise fielding, bowling, batting techniques, and strategic game play. All lessons incorporate warm-ups, skill development, competitive games, and group reflection to enhance performance and teamwork.</p>
Geography	Food Technology	History
<p>In Geography this half term, students will develop skills in geographical investigations through fieldwork. They will learn how to formulate clear research questions and hypotheses, plan investigations, and select appropriate data collection methods including surveys, observations, and environmental assessments. Students will practise accurate data recording using maps, GPS, and measuring tools, and apply statistical techniques to analyse trends and anomalies. Emphasis will be placed on data presentation through graphs, tables, and annotated maps. The unit culminates with students interpreting results, drawing conclusions, and evaluating their methods, preparing them for exam questions on geographical enquiry and fieldwork.</p>	<p>In Food Technology this half term, students will study Food Science. They will experiment with different cooking methods to understand heat transfer and its effects on nutrition, texture, flavour, and appearance. Students will explore the functional properties of ingredients and use sensory evaluation techniques to improve recipes. They will investigate food safety by studying bacterial, mould, and yeast growth, applying preservation methods to prevent spoilage. Students will learn to identify signs of food spoilage and apply correct storage techniques to extend shelf life. Practical experiments and research into food safety and nutrition underpin the learning throughout the unit.</p>	<p>In History this half term, students will be studying 'Elizabethan England 1568-1603'. Students will begin exploring who Elizabeth was and how she became Queen. They will then evaluate the causes, key features and consequences of some of the challenges that Elizabeth faced during her reign. Following this, students will use different interpretations to explain why the issues of succession and marriage were so important. This knowledge will be used to describe the structure of Elizabethan society. Finally, students will evaluate whether 'The Golden Age' is an accurate description of the Elizabethan era.</p>
Business Studies	Construction	Sports
<p>In Business this half term, students will study <i>Making a Marketing Decision</i>. They will explore the design mix—function, aesthetics, and cost—and analyse how these elements relate in different businesses using Porsche as a case study. Students will describe the product life cycle stages and assess extension strategies, exemplified by Kit Kat. They will identify and evaluate various pricing strategies, such as penetration and premium pricing, using case studies like Microsoft Xbox and Sky TV. Promotion methods and their suitability will be analysed with examples like Cadbury's campaigns. Finally, students will compare distribution methods and justify a marketing mix to build competitive advantage.</p>	<p>In Construction this half term, students will study Planning and Design, focusing on composing and evaluating a two-week planner to organise their time effectively. They will learn to interpret technical drawings and identify components necessary for a structurally sound wall. Students will design and independently construct a three-course stretcher bond wall, ensuring accuracy using tools like spirit levels and gauge laths. The unit culminates in a practical summative assessment where students apply their skills in a realistic scenario, managing time and resources to complete the wall within set deadlines, reinforcing project planning alongside hands-on construction techniques.</p>	<p>In Sports Science this half term, students will complete their PSA controlled assessment for Component 2, applying their knowledge of physical fitness, skill-related fitness, sports techniques, strategies, and officiating roles. This assessment will allow them to demonstrate their understanding through practical and written tasks, consolidating their learning and preparing them for further study.</p>