

Redbridge Alternative Provision - Year 10: Summer 3.1

English	Maths	Science
<p>In English this half term students will study <i>Climate Change</i>. They will discuss the causes and effects of global warming, participating in group discussions to share views. Students will identify grammatical errors in climate-related texts and expand their vocabulary using a thesaurus. They will write descriptive diary entries applying rhetorical methods for impact. Students will learn to distinguish explicit and implicit information through case studies on activists like Greta Thunberg. They will create fact files and presentations on climate change, and conclude by writing an essay imagining the world 200 years from now, developing skills in analysis, argument, and creative writing.</p>	<p>In Maths this half term students will study triangles and constructions, correctly identifying the longest side in a right-angled triangle and be able to apply Pythagoras' theorem to find the longest side. Following this, students will calculate the mean, mode, median and range from a list, a frequency table and grouped data. Students will label a circle with all its properties. Finally, students will compare gradients of straight lines and interpret them if appropriate, as speed or acceleration or rate of change.</p>	<p>In Science this half term reactions will be categorised into 'Exothermic' and 'Endothermic' reactions. Electricity will be used to decompose ionic substances and chemical reactions will be shown to be reversible. Students will learn that the effects of different variables need to be established. Quantitative analysis will be used to determine the formulae of compounds and the equations for reactions. Students will use quantitative methods to determine the purity of chemical samples. Following this, students will identify different types of chemical reaction that allow chemists to make sense of how different chemicals react together.</p>
PSHE	Art	PE
<p>In PSHE this half term, learning will focus on communities, belonging and challenging extremism. Students will revisit previous learning and explore the importance of communities, inclusion, respect and belonging. To further their understanding students will learn about the Equality Act, diversity and values. They will explore how social media may distort or misrepresent information in order to influence beliefs and opinions. Students will learn skills to manage conflicting views and misleading information and how to safely challenge discrimination. Additionally, students will learn how to recognise and respond to extremism and radicalization, including where to find support and report concerns.</p>	<p>In Art this half term students will be learning how to develop personal responses to urban landscapes through mixed-media experimentation and sustained artist influence. Students will research a contemporary urban or collage artist, create transcriptions, and test a variety of materials including collage, paint, pastel, and layered media. They will plan and produce more developed outcomes, evaluating how effectively their work communicates ideas, atmosphere, and visual impact.</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 be exploring features and characteristics of the British cuisine from 50 years ago to today cuisine with how it's changed over the years. Students will look at the factors that influence other international cuisines and to be aware that the following affect food choices: personal, social, economic, medical, religious, cultural beliefs, ethical and moral beliefs. Finally, students will be exploring new and emerging foods and the uses of additives. As students look at these areas, they will also be making a mixture of products from a range of products including making Bread, Chicken Kebabs, Curries, Salads and Fruit Crumble.</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 Studies this half term students will be studying Unit 1, Topic 6, 'Growing a Business'. Students will begin by researching a range of internal and external methods of business growth, including mergers and takeovers. They will then compare internal and external sources of finance that are available to aid business growth. Finally, students will analyse how business compete internationally and the impact of globalisation on business.</p>	<p>In Construction this half term, students will study Health and Safety, focusing on effective time management using planners and reflecting on progress in their chosen activities. They will explore stretcher bond bricklaying techniques and different pointing styles. Students will research materials and calculate quantities needed for bricklaying projects. Activities include creating weekly planners, prioritising tasks, and monitoring their progress while considering potential obstacles. Students will develop practical skills in mortar and brick usage, linking planning and material knowledge. This topic reinforces organisational skills alongside technical brickwork, encouraging both independent management and hands-on construction understanding.</p>	<p>This unit focuses on improving sporting performance through the use of drills and conditioned practices. Students explore different types of drills designed to develop specific techniques and enhance fitness components. They learn how to model and deliver effective drills, understanding coaching points and how to provide feedback. Activities include analysing coaching videos, designing progressive sessions, and leading practice drills. Students reflect on how drills contribute to skill acquisition compared to gameplay. They also consider session planning, space, equipment use, and how to adapt practices to individual needs. This develops practical coaching skills alongside theoretical understanding.</p>