

# Redbridge Alternative Provision - Year 8: Spring 2.1

| English                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Maths                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Science                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
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| In English this half term students will be studying the ‘Whodunnit’ unit. This unit will consist of organising information and ideas clearly in order to determine outcome. Tasks will range from students acting as detectives in order to solve mysteries to identify clues in text. The unit will conclude with students writing an information article on how they managed to solve the mystery. Students will be reading a variety of non-fiction and fiction texts such as: newspaper articles and relevant case studies. The focus will be on retrieval, inference and clarifying.                                                                                                                                  | In Maths this half term students will deepen their understanding of fractions, decimals and percentages by exploring how these different representations are connected. They will compare, convert and calculate with each form, investigate percentage increase and decrease, and solve problems involving proportional reasoning. Students will apply efficient calculation methods, use percentage multipliers and the unitary method, and explain how proportional relationships can be used in a range of everyday situations. Throughout the unit, they will strengthen their reasoning, develop confidence in selecting efficient strategies and apply their mathematical knowledge to increasingly complex problems.                                            | In Science this half term students will study variation, adaptation, and evolution alongside magnetism. They will explore species, populations, and the influence of biotic and abiotic factors on communities. Students will investigate DNA structure, genetic variation, and mutations, comparing artificial selection, inbreeding, and natural selection to explain evolution and speciation. They will also examine causes of extinction and adaptations of extremophiles. The focus then moves to magnetism, where students will learn about permanent magnets, poles, and magnetic fields. They will study induced magnetism, current-carrying wires, and how electromagnets are constructed and strengthened. Practical investigations will explore electromagnetism, before students consider Earth’s magnetic field and its importance. |
| PSHE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Art                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | PE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| In PSHE this half term students will explore personal safety and develop the knowledge and confidence to assess and manage risk in a range of situations. They will learn about the effects of caffeine, vaping, tobacco and alcohol, while investigating how peer influence and social norms can affect decision-making. Students will also explore strategies for staying safe around roads, water and fireworks, and identify trusted adults and support services that can help when concerns arise. This unit supports students to make informed choices and keep themselves and others safe.                                                                                                                          | In Art this term students will investigate decorative design through the traditions of the Day of the Dead, exploring how artists use pattern, colour and symbolism to communicate meaning. They will develop an understanding of balance, symmetry and composition while researching cultural imagery and decorative motifs found in sugar skull artwork. Through practical design activities, students will experiment with colour pencil techniques, repeated pattern and decorative detail before planning and refining an original sugar skull mask design. Throughout the unit, students will evaluate their work and strengthen their understanding of how thoughtful composition and colour can communicate both cultural significance and personal creativity. | In PE this half term students will further develop areas of their fitness and master key table tennis skills. They will engage in various fitness activities aimed at enhancing cardiovascular endurance, muscular strength, and flexibility, laying a strong foundation for overall physical fitness and well-being. Simultaneously, students will immerse themselves in the intricacies of table tennis, continuing to refine their techniques in bat control, footwork, and shot accuracy, while also deepening their understanding of game strategies and tactics. By combining fitness training with table tennis drills and gameplay, students will not only improve their physical fitness but also develop hand-eye co-ordination, focus, and sportsmanship essential for success both on and off the table.                              |
| Food Technology                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Geography                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | History                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| In Food Technology this half term students will investigate the Six R’s of sustainability: Recycle, Reduce, Reuse, Rethink, Repair and Refuse. They will explore how these principles can be applied to food preparation, packaging and consumer choices. Students will learn how leftovers can be reused creatively and examine the environmental impact of different packaging materials. Practical activities will encourage students to minimise waste while continuing to develop their cooking skills and independence. Through evaluating their dishes and considering sustainability, students will understand how responsible choices can help protect the environment and support the future of food production. | In Geography this half term students will be studying the topic ‘One World, Many People: How Are Populations Changing?’ They will define what population means and explore how it is measured. Students will explore population distribution and identify where the world’s biggest populations are found. Students will analyse population patterns and understand how the population of a country changes as it develops. They will interpret population data to predict change and investigate how countries attempt population control. Finally, students will explore what is meant by migration.                                                                                                                                                                  | In History this half term students will explore how the Industrial Revolution transformed Britain. They will investigate life before industrialisation and examine how population growth, inventions and mechanisation changed industry and society. Students will study the growth of factories and industrial towns while considering the experiences of workers, including women and children. Through historical sources and enquiry, they will investigate working conditions in factories and coal mines and assess the significance of industrial developments. The unit encourages students to understand how economic and technological change can have a lasting impact on people's lives.                                                                                                                                              |
| Enrichment                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| As part of the Enrichment Programme, students will be given the opportunity to experience:<br><b>Box-Up Gym</b> This half term students will take part in boxing and fitness sessions designed to develop discipline, resilience, and self-confidence. Through pad work, fitness circuits, and boxing techniques, students will improve their coordination, physical fitness, and focus. The programme encourages respect, perseverance, and self-control while promoting healthy lifestyles and positive wellbeing.                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |