

Redbridge Alternative Provision - Year 10: Autumn 1.2

English	Maths	Science
<p>In English this half term students will be studying the 'Dracula' unit. This will consist of identifying key language features and gothic conventions. The unit will aim to develop skills which enable students to explain the writer's choice of words. Students will explore how the author creates fear by identifying key phrases in the book. To conclude the unit, students will attempt question 2 of English Paper 1, describing how the writer has used language for a specific reason. Students will read the Ben Stokes book, Dracula. The reading sessions will focus on retrieval, clarifying and summarising.</p>	<p>In Maths this half term students will study fractions, decimals and percentages and will calculate percentages of numbers without a calculator. Following this, students will study Algebra and be able to simplify expressions involving sums products and powers, expand single bracket with a letter and number outside of the bracket and expand double brackets to give quadratic expressions of form $x^2 + bx + c$. Finally, students will begin to collect and interpret discrete data and be able to construct and interpret two-way tables, Venn Diagrams and Line Graphs for time series data.</p>	<p>In Science this half term students will be studying Chemistry. Students will be introduced to the historical development of the Periodic Table and models of atomic structure. The Periodic Table will provide students with a further insight into the structured organisation of the known chemical elements using their atomic structure. Students will learn how scientists use this knowledge of structure and bonding to engineer new materials with desirable properties and how the properties of these materials may offer new applications in a range of different technologies. Following this, students will discuss the properties of elements in Group 1, 7 and 0, as well as metals and non-metals using their structure to explain.</p>
PSHE	Art	PE
<p>In PSHE, this half-term learning will focus on developing students understanding of Hinduism. Students will revisit previous learning about the different Hindu Gods. Following this, students will discuss their own experience and understanding of Hinduism. Students will then explore Hindu values and make links to the values of NRHS and the British Values. Students will learn about key elements of the Hinduism faith, such as Diwali. Students will experience sensory elements of Hinduism by tasting traditional Hindi foods and completing a worship map. Students will also visit a local Mandir to bring their learning to life.</p>	<p>In Art this half term students will be learning how to extend their landscape project through further artist research and transcription. Students will study artists such as George Seurat, Daisy Dodd-Noble, Wassily Kandinsky, and Georgia O'Keeffe, exploring pointillism, abstraction, colour theory, scale, and blending techniques. They will experiment with oil pastels, paint, and soft pastels to create semi-abstract and expressive responses, while refining annotation and demonstrating how artist influence informs their own developing ideas.</p>	<p>In PE this half term, students will study football and basketball, developing core skills and tactical awareness through structured warm-ups, drills, and game play. In football, students will focus on attacking with width and speed, use of dummies and fakes, defensive formations, and passing and shooting techniques, emphasising agility and balance. In basketball, students will develop dribbling, shooting, screening, and defensive strategies including man-to-man and zone marking. Activities involve teacher modelling, group discussion, and small-sided games to enhance teamwork, communication, and strategic understanding.</p>
Geography	Food Technology	History
<p>In Geography this half term, students will explore the challenges of an urban world by understanding the key causes of urbanisation, including natural factors like population growth and human-induced factors such as rural-urban migration and industrialisation. They will investigate global urban growth trends, comparing patterns between high-income countries and low-income or newly emerging economies. Focusing on Mumbai as a case study, students will examine issues arising from rapid urbanisation such as informal housing, urban poverty, congestion, and pollution, using data analysis and case evidence to evaluate the social and environmental impacts within cities.</p>	<p>In Food Technology this half term students will explore the functions and why our bodies need protein, fats and carbohydrates. Following this, students will analyse foods that contain high levels fats and sugar, then they will explore different alternatives. Finally, students will look at British-based meals and how to make them suitable for a Vegetarian through design process and the making. As students look at these areas they will also make a mixture of products from a range of products including baking cakes and festive foods.</p>	<p>In History this half term students will be studying 'Conflict and Tension 1918-1939. Peacemaking'. Students will begin by explaining what each of the 'Big Three' wanted to achieve and describe why it was so difficult for them to agree at the Paris Peace Conference. Following this, students will explain what Germany lost in the terms of the Treaty of Versailles. This knowledge will then be used to assess the strengths and weaknesses of the peace treaties. Finally, students will analyse how satisfied/unsatisfied the 'Big Three' and Germany would have been with the final treaty.</p>
Business Studies	Construction	Sports
<p>In Business Studies this half term we will be covering Unit 1, Topic 3, 'Putting Business Ideas into Practice.' Students will begin by exploring the difference between business aims and objectives and the difference between financial and non-financial objectives. Following this, students will calculate revenue fixed costs, variable costs, profit and interest rates for a range of businesses. This knowledge will then be used to create and interpret breakeven graphs and cash flow forecasts. Finally, students will compare a range of different sources of finance that are available to business.</p>	<p>In Construction this half term students will continue to progress through Unit 10, 'Making Minor Repairs in a House'. Students will compare different types of household locks, and will understand how to fit and replace Yale and Mortice locks. Following this, students will explore elements of home security installation, aids and adaptations. Tutors will facilitate a range of activities such as installation of chains, spy holes, handrails, grab rails – all on different surfaces such as woods, PVC and tiles. Finally, students will be assessed in a scenario based practical assessment where they will utilise the skills they have learnt.</p>	<p>This unit introduces students to the essential components and benefits of a proper warm-up. They learn about different types of pulse raisers, stretching activities, and the body's cardiorespiratory and musculoskeletal responses. Students research and demonstrate various warm-up exercises, considering how these can be adapted for different sports and participant needs, such as children or injured athletes. The importance of injury prevention and preparation for exercise is emphasised. Through practical sessions and reflective tasks, students develop skills in planning, delivering, and evaluating warm-ups, while linking physiological knowledge to real-world sports performance and wellbeing.</p>