

The Constance Bridgeman Centre - Year 10: Summer 3.1

English

In English this half term students will explore how writers use structure to shape meaning and influence the reader. They will investigate how narrative perspective, shifts in focus, chronology and pacing create tension, develop character and build atmosphere. Students will evaluate the effectiveness of these structural choices using carefully selected evidence from a range of fiction extracts. Through discussion and GCSE-style analytical writing, they will strengthen their ability to explain and evaluate a writer's methods in preparation for Paper 1 Questions 3 and 4.

Maths

In Maths this half term students will build upon their understanding of geometry, number and problem-solving through constructions, ratio and bounds. They will learn how to use a compass and ruler accurately to construct perpendicular bisectors, angle bisectors and equilateral triangles before applying these skills to loci and practical problem-solving tasks. Students will then develop their understanding of ratio and proportion by simplifying ratios, sharing quantities proportionally and solving problems involving direct and inverse proportion. They will apply these concepts to a range of real-life contexts, including recipes, map scales, speed, distance and financial calculations. Finally, students will explore upper and lower bounds, using them to identify ranges of possible values and perform calculations involving measurements, area and volume. They will conclude the unit by solving exam-style problems involving bounds and error intervals.

Science

In Science this half term students will explore how energy is transferred during chemical reactions. They will investigate exothermic and endothermic reactions, reaction profiles, activation energy and bond energies before applying mathematical skills to calculate energy changes. Practical investigations will help students observe energy transfers and evaluate experimental evidence. Throughout the unit, students will develop a deeper understanding of how chemistry is used within industry, medicine and everyday life, while strengthening their scientific reasoning and problem-solving skills.

Art

In Art this half term students are introduced to the current GCSE Art and Design brief and begin exploring possible themes and starting points. Through mind maps, visual research and artist studies, they will investigate ideas linked to their own interests and experiences. Students will further develop recording skills through drawing, photography and image collection while experimenting with a range of media and techniques. Increasing emphasis is placed on independent decision-making and purposeful investigation. Through annotation and reflection, students will explain how research and experimentation influence their creative choices and establish a clear line of enquiry for continued coursework development.

Food Technology

In Food Technology this half term students will be studying 'Practical Cooking Skills and Food Preparation'. Students will build on their existing practical knowledge by developing a wider range of food preparation and cooking techniques, including kneading, whisking, shaping, coating and combining ingredients. They will explore the function of ingredients within recipes and investigate how different cooking methods affect the texture, flavour and appearance of food. Students will also examine dishes from a variety of global cuisines, considering how hospitality and catering providers use international flavours and food trends to meet customer expectations. Practical lessons will focus on developing independence, organisation and presentation skills while preparing a range of dishes. Students will evaluate their work using hospitality and catering terminology, reflecting on flavour, texture, presentation and overall quality.

Music

In Music this half term students will explore how composers create atmosphere, suspense and tension through Horror Music. By studying film soundtracks and sound design techniques, students will investigate how musical elements influence audience emotions and support storytelling. Using GarageBand and Logic Pro, they will compose original pieces inspired by the genre, experimenting with sound effects, layering and recording techniques. Students will refine their compositions through evaluation and feedback while beginning to prepare for Component 1 assessment. The unit also develops organisational skills as students learn how to present evidence and document their creative work effectively.

PE

In PE this half term students will develop their tennis and table tennis skills through practical activities, conditioned rallies and competitive singles and doubles matches. Students will improve their serving, forehand, backhand and volley techniques while learning how movement, positioning and tactical shot selection contribute to successful performance. They will develop consistency, accuracy and confidence by applying their skills within increasingly competitive situations. Throughout the unit, students will evaluate their performances, demonstrate resilience and sportsmanship, and strengthen their decision-making during competitive play.

PSHE

In PSHE this half term students will explore the importance of diversity, equality and inclusion within modern British society while developing the confidence to challenge prejudice and discrimination. They will investigate the Equality Act 2010, stereotypes and unconscious bias before examining how media, social media and online platforms influence attitudes and beliefs. Students will also learn about extremism, radicalisation, county lines, knife crime and criminal exploitation, developing practical strategies for recognising harmful influence, resisting pressure and accessing appropriate support. Throughout the unit, they will strengthen their critical thinking, resilience and active citizenship skills.

Sports Science

In Sports Science this half term students will deepen their understanding of physical fitness by exploring the components of physical and skill-related fitness. They will analyse how these components relate to different sports and consider why athletes require varying fitness types. Students will investigate techniques, strategies, and fitness demands in sports, alongside learning about the roles of officials, rules, and regulations. Through practical activities, discussions, and research tasks, students will develop their knowledge of fairness, communication, and sportsmanship, while connecting theoretical concepts to real-world sporting contexts.

Enrichment

As part of the Enrichment Programme, students will be given the opportunity to experience:
Skiing: This half term, students will participate in skiing sessions where they will develop balance, coordination, confidence, and resilience while learning fundamental skiing techniques. They will build their skills progressively in a safe and supportive environment, developing perseverance, independence, and the confidence to take on new challenges. The programme also promotes physical fitness, risk awareness, and problem-solving while encouraging students to step outside of their comfort zones.
Cycling: Students will also participate in cycling sessions designed to improve their fitness, coordination, and road awareness. They will develop safe cycling skills, learn the importance of maintaining equipment, and build confidence when riding in different environments. The programme encourages independence, responsibility, and resilience while promoting healthy, active lifestyles and developing practical life skills that students can use beyond school.