

The Constance Bridgeman Centre - Year 11: Spring 2.1

English

In English this half term students will be studying Shaping Opinions: Writing to Persuade and Influence. Students will develop the skills needed to write confidently for a range of audiences and purposes, exploring speeches, articles, letters and other transactional forms. They will learn how to construct convincing arguments, apply rhetorical techniques and adapt their language, tone and register to suit different contexts. Through discussion, debate and extended writing, students will refine their communication skills while preparing for the persuasive writing element of GCSE English Language.

Maths

In Maths this half term students will develop their understanding of geometry and measurement through Pythagoras' theorem, trigonometry and volume. Building on their knowledge of right-angled triangles, square numbers and square roots, students will apply Pythagoras' theorem to calculate missing lengths and solve practical problems involving distance and measurement. They will then progress to trigonometry, learning to identify and use the sine, cosine and tangent ratios to find missing sides and angles in right-angled triangles. Students will apply these skills to a range of real-life contexts, including calculating heights, distances and angles of elevation. Finally, they will extend their understanding of 3D shapes by calculating the volume of prisms, cylinders and composite solids, converting between volume units and solving increasingly complex problems involving volume, capacity and surface area in practical situations.

Science

In Science this half term students will develop their understanding of waves, the electromagnetic spectrum and magnetism. They will investigate wave properties, sound and light before exploring the uses and risks of electromagnetic radiation. Students will then study magnetic fields, permanent magnets and electromagnets, applying their knowledge through practical investigations and mathematical calculations. Throughout the unit, they will recognise how physics underpins communication, medical technology, engineering and many aspects of everyday life.

Art

In Art this half term students begin the AQA Externally Set Assignment by exploring the themes provided within the examination paper. Through brainstorming, visual research and mind mapping, they establish a personal direction for their project. Students investigate the work of selected artists and analyse how techniques, materials and processes can inspire their own ideas. Practical studies and experimentation help students develop technical skills while encouraging increasingly individual responses. Throughout the unit, annotation and reflection support decision-making and provide evidence of the development process. This work establishes a strong foundation for the examination project.

Food Technology

In Food Technology this half term students will be studying 'BTEC Home Cooking Skills'. Students will develop greater independence and confidence in the kitchen while preparing a range of increasingly complex dishes using a variety of cooking methods and techniques. They will build on their understanding of food safety, hygiene, organisation and time management, applying these skills within practical hospitality and catering contexts. Students will explore how dishes can be adapted to improve presentation, nutritional value and customer appeal, while also investigating global cuisines and contemporary food trends. Practical lessons will focus on refining advanced preparation and presentation techniques, encouraging students to work professionally and efficiently. Throughout the unit, students will evaluate their dishes using sensory analysis and feedback, considering flavour, texture, presentation and overall customer satisfaction.

Music

In Music this half term students continue to develop their chosen musical skills through rehearsal, composition, performance and music production activities. Building on targets set earlier in the year, they will refine practical outcomes and evaluate their progress through reflection and feedback. Students will collect and organise portfolio evidence, including recordings, screenshots and written reviews, while developing greater independence and professionalism. Throughout the unit, emphasis is placed on organisation, resilience and effective presentation of coursework. The unit concludes with students completing and submitting their Component 2 portfolio, providing a strong foundation for the final component of the qualification.

PE

In PE this half term students will refine their skills in Handball and Dodgeball through practical activities, conditioned games and competitive tournaments. Students will apply advanced passing, catching, throwing and shooting techniques while adapting attacking and defensive tactics to different game situations. They will develop positional awareness, communication and teamwork by making informed tactical decisions under pressure. Throughout the unit, students will evaluate performances, demonstrate leadership through officiating and team organisation, and continue to build resilience and confidence in competitive invasion games.

PSHE

In PSHE this half term students will investigate the physical, emotional and legal risks associated with alcohol, vaping, tobacco and illegal drugs, recognising how substance misuse can affect health, relationships and future opportunities. They will explore the dangers of criminal exploitation, county lines, grooming and knife crime, learning how organised criminal groups target vulnerable individuals and how to respond safely to harmful situations. Students will develop strategies to resist peer pressure, identify safeguarding concerns and access appropriate support. Throughout the unit, they will strengthen their decision-making skills, resilience and confidence to protect themselves and others from harm.

Sports Science

In Sports Science this half term students will explore Training Methods. They will explore different fitness training techniques targeting physical and skill-related components, such as interval, circuit, resistance, plyometrics, and continuous training. Students will learn the principles of warm-up and cool-down, training effects on the body, and how to apply the FITT principle. They will investigate training provisions and identify facilities for fitness training. Practical activities include research, presentations, and mini-circuits to link methods to fitness components, enhancing understanding of how training improves athletic performance and supports sport-specific goals.

Enrichment

As part of the Enrichment Programme, students will be given the opportunity to experience:
Woodwork: This half term students will participate in practical woodwork sessions, developing valuable trade and vocational skills through the design and construction of their own wooden projects. They will learn how to use tools and equipment safely, measure accurately, and follow technical instructions while creating a finished product they can take pride in. The programme is designed to develop problem-solving, resilience, precision, and creativity, while providing an insight into careers within the construction and skilled trades sectors. Students will also gain practical life skills that promote independence and prepare them for future education, employment, and everyday life.