



# YEAR 8

## ENGLISH

During the summer term, Year 8 students will delve into 'Macbeth,' marking their introduction to Shakespeare and laying the groundwork for understanding Elizabethan contexts. This study fosters an appreciation for the structure and conventions of plays while building the confidence needed to tackle complex and archaic language. Through diverse creative, dramatic, and analytical activities, students will engage with the text, gaining insights into its significance within the literary canon.



## MATHEMATICS

In Mathematics, Year 8 students will expand their understanding of geometry: by determining angles in polygons and using Pythagoras's theorem. They will use geometrical methods to understand what it means for shapes to be congruent and will be able to spot and justify this.

Geometry will also extend into 3D with students learning to create drawings on isometric paper and calculate the volume of prisms and cylinders. Aside from geometry, students will learn to distribute amounts in a ratio, determine the original quantity from known parts, and simplify ratios to the form 1:n. They will also apply their understanding of sequences to tackle pattern-related challenges, along with an understanding of probability through sample space diagrams and relative frequency. They will also learn to draw and describe the four types of transformations, including combined transformations, specifying rotations around the origin and non-negative enlargements. The term will conclude with an introduction to factorizing basic linear expressions.

Essential tools for this term will include calculators, protractors, and compasses.





## DESIGN & TECHNOLOGY

In the Textiles course, students will deepen their grasp of the design and production process. They will explore the significance of the 6R's concerning products and materials. By engaging in upcycling and recycling, they will create their own pyjamas. Each student will be expected to utilize a sewing machine while enhancing their skills in pattern cutting and sizing. Additionally, they will learn about applique and various finishing techniques. To wrap up the project, students will be required to maintain a diary documenting their development throughout the process.

In Systems and Control classes, students will expand on their existing knowledge of design methods, research, and Adobe software. They will need to create a plan and collect feedback to assist in designing an Inspirational light. This comprehensive process aims to enhance their understanding of the characteristics of hard materials and the fundamentals of electronic circuits.

Food Science and Nutrition students will explore various cereal products, focusing on their role in food production and as essential components of a staple diet. The curriculum includes an examination of aeration techniques, encompassing biological, mechanical, and chemical methods. Practical activities will involve creating cereal-based dishes such as bread using yeast, pizza, and developing gluten, along with small cakes and a Swiss roll. Additionally, lessons will cover gelatinization and the preparation of a Roux sauce.



## DRAMA

In the summer term of Year 8, Drama students will engage in Devising Drama, where they will create their own non-naturalistic performance focused on conceptual themes like hope, regeneration, and humanity, rather than traditional character motivations. Each week, they will delve into various performance techniques, including synchronisation, tableaux, and Chair Duets, all framed by the significant theme of 9/11. Students will critically assess facts, theories, and conspiracies to evaluate the reliability of their sources. The assessment process consists of three steps: Explorative Assessment through small group rehearsals, Performance Assessment where they present their final piece, and Responding Assessment involving an evaluative verbal presentation. Additionally, homework will involve researching a drama practitioner and preparing a mind-map of key vocabulary.





## **ETHICS & PHILOSOPHY**

the summer term, Year 8 students will engage in critical thinking about the nature of truth by exploring the philosophies of Plato, Descartes, Aquinas, Marx, and Freud. They will utilize these perspectives to evaluate various arguments regarding the existence of God, considering both supporting and opposing viewpoints.



## **GEOGRAPHY**

In Geography lessons Year 8 students will be introduced to the concept of globalisation and pupils will discover how it affects them. They will gain an understanding of how the global production of jeans has economic, social and economic impacts and evaluate the fairness of the fast fashion industry through learning about sweatshops in Bangladesh. They will be discussing alternatives to fast fashion including ethical fashion. The students will learn about world cities and consider how urbanisation has contributed to their rapid growth. With a focus on Dharavi in Mumbai in India, students should appreciate the challenges and opportunities that these slum areas present. Finally, the Year 8 students will visit the Bass Maltings site in Sleaford and work in groups as town planners to design a creative yet sustainable redevelopment plan for the site to meet the needs of local people. .



## **HISTORY**

In the summer term, Year 8 History students will shift their focus to the Industrial Period and its ramifications. They will explore the question of whether the Industrial Revolution can genuinely be considered a 'liberty's dawn,' as suggested by Emma Griffin. Additionally, students will examine the effects of Britain's industrial expansion, including the rise of the Empire and the development of the Transatlantic Slave Trade.





## LANGUAGES

Students will further enhance their language abilities in both German and French, boosting their confidence in both speaking and writing. In German, they will explore separable and reflexive verbs through the theme of 'My Day as a Celebrity,' followed by an examination of cultural aspects in German-speaking nations under the topic 'Festivals and Traditions.' Meanwhile, in French, the emphasis will be on mastering various tenses while delving into the subject of 'Holidays' and discovering the diverse cultures of French-speaking countries worldwide. At home, take the opportunity to research the cultures of these nations and practise your language skills on [www.languagenut.com](http://www.languagenut.com).



## MUSIC

Year 8 students continue to explore popular music through both performance and digital production. During Term 5, students work on performing popular repertoire in small groups, developing confidence, accuracy and ensemble awareness. In Term 6, they use BandLab to compose and produce their own pieces, experimenting with loops, drum patterns and virtual instruments while learning how to structure and refine a track.

To complement our classroom activities, students can visit Teaching Gadget, a website rich in interactive resources. They will need to use the username KSHS and the password 456music to access the materials.



## PSHE

Year 8 will start off the summer term by continuing their PSHE Careers unit, expanding on their Year 7 experiences with the Unifrog platform. They will reflect on their own definitions of success and how these perceptions compare to those of others. Additionally, students will explore the distinctions between a job and a career, as well as where their idea of a "dream job" fits into their future goals and aspirations. Following the Careers unit, Year 8 will shift their focus to Health and Wellbeing, specifically emphasising Emotional Wellbeing. In their PSHE classes, they will delve into topics such as anxiety, managing challenging emotions, building emotional resilience, and distinguishing between healthy and unhealthy coping strategies.





## SCIENCE

Students will explore the topics of drugs, health, and microorganisms, gaining insights into how their bodies destroy pathogens. They will explore the Earth and its atmosphere, as well as innovative materials, including the processes behind rock formation. Additionally, they will study heat transfer and the mysteries of space, including the life cycles of stars. To spark curiosity, check out various articles and videos available on NASA's website: <https://www.nasa.gov/>

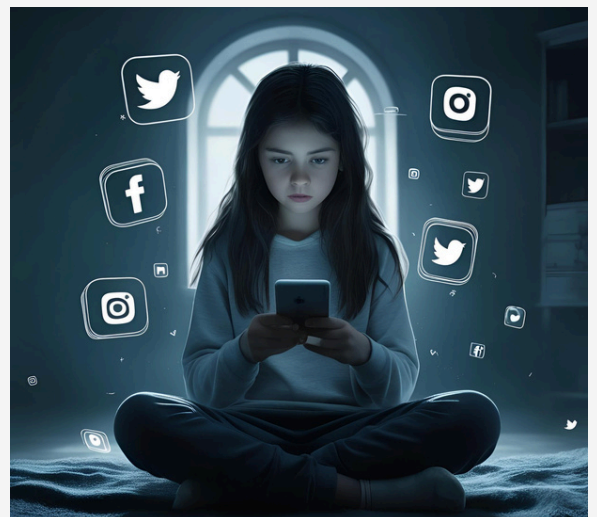


## ART

Students will experiment with artistic techniques in visual art by engaging in an insect-themed project. They will acquire essential drawing skills, explore the application of colour and texture, and gain inspiration from the works of different artists. This journey will culminate in the creation of a mixed media sculpture.

## COMPUTER SCIENCE

Students will explore advanced spreadsheet functions and formatting, as well as their practical applications in everyday life. Following this, they will undertake a research project that utilizes both primary and secondary sources, concentrating on how technology and social media affect young individuals. Staying informed about the latest developments in technology and engaging in discussions about them can be beneficial; for current updates, visit <https://www.bbc.co.uk/news/technology>.





## **PHYSICAL EDUCATION**

In Year 8, students will continue to develop their performance skills and apply these with more consistency in both practice and game situations. Through athletics, tennis, rounders and cricket students will officiate and apply rules, measure and record outcomes and organise and run activities; these leadership skills will be developed alongside their participation. Having experienced their first Sports Day last year, students will have an appreciation of what the day involves. They should be prepared to support and encourage all participants whilst enjoying the varied activities on offer.

