



CARSHALTON HIGH SCHOOL FOR GIRLS

CURRICULUM NEWSLETTER



Headteacher's **Welcome**

Dear Parents/Carers

Welcome to our first curriculum newsletter of this academic year. You will find lots of information on the content covered in each year group and see some examples of the fantastic work our students are completing here at CHSG. We hope you enjoy reading the content; especially those in Year 8 & 11 who might want a glimpse of each of the GCSE and Key Stage 5 options for the future.

Year 11 & 13 Mock Examinations

We have settled back in after the half-term break and the Year 11 & 13 students have completed

their 1st round of mock examinations. I want to congratulate them on the way they conducted themselves during this period and we hope the results will reflect the hard work they have put in. The next round takes place after the February half-term as we head into the vital few months before the examinations.

INSET Day – 4th December

Monday 4th December is an INSET Day and students should not attend school on this day. Students return on Tuesday 5th December with our normal timings.

Sixth Form Open Evening

We recently held our Sixth Form Open Evening with each subject showcasing their curriculum in Year 12. We had a large turnout with a high number of external applicants which is fantastic to see. There were many #teamCHSG students in attendance and we have run taster sessions for Year 11 so they can get a feel for Sixth Form life here. We will now be looking to interview students in the forthcoming weeks – good luck Year 11!



Leadership Week

Last week was the first of our Leadership Weeks for this academic year. We started with Year 7 & 8 hearing from Girls on Board and Years 9 & 10 looking at the skills needed to be a leader.

Leadership is one of the **five curriculums** here at CHSG as we look to encourage our students to take on more leadership opportunities in preparation for future careers. We have a number of students currently working on completing their SSAT Leadership Bronze certificate and we wish them the very best with this programme.



Class Charts

Last week we sent out communications regarding the Class Charts app which we use to track student behaviour, attendance and rewards. We encourage parents to download and use this free app going forward to advise us of your child's absence in place of calling or emailing us. The app will also keep you up to date with any rewards achieved and notified of any detentions your child receives.

Music Winter Concert

This year's CHSG Music Winter Concert is on Tuesday 12th December. Tickets are available via ParentPay and there will be some availability on the door. Tickets cost £2 each and there will be light refreshments available on the night.

Rehearsals are underway and the acts are sounding brilliant – a lot of hard work has gone into it. Thank you once again for your support of the music department. We look forward to seeing you there.

Past and Upcoming Trips

- 10 Downing Street - 29th September
- Computer Science trip to Samsung HQ- 2nd October
- Year 7 and 8 Wicked Musical - 19th October
- A Christmas Carol for GCSE Drama students - 23rd November
- Year 9 Design Museum trip - 30th November
- Residential French trip - 4th - 6th December
- Year 9 and 10 Drama trip - 15th January

Have a great week,
Mr M M J Devenney



Art

Year 7

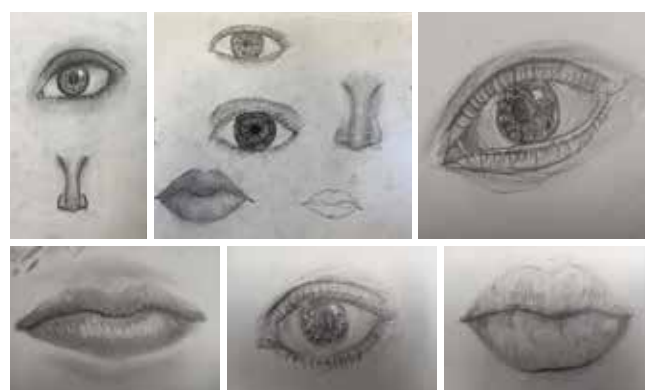
Last half term our Year 7 set out on their journey of artistic learning by beginning to explore the formal elements of Art. These are the building blocks of all artistic composition: shapes and forms, textures, mark making, tone, composition and colour. They have shown themselves to be a talented cohort, capturing beauty of everyday objects with real skill and dynamism as part of a Still Life project. These are just few of many excellent examples their work:



Year 8

Our Year 8 students have been discovering the ancient but still popular art of portraiture. As they have studied the art of portraits through the ages they have learned that portraits, far from being just a visual record, and much like social media profiles today, have been used to show off power, importance, virtue, beauty, wealth, taste, learning and other admirable qualities.

After admiring some of the most famous portraits in the history of art, our students tried their hand at this enduringly popular artform, learning how to draw facial features in the correct proportions; they have now started to work on self-portraits, working from their own photographs; they will use these to experiment with various types of media and to explore ideas of distortion.



Year 9



Our Year 9 students have worked hard this term and have a great deal to show for their skills and diligence. They have been consolidating their skills while also learning to innovate and experiment, combining techniques and approaches to generate often surprising results.

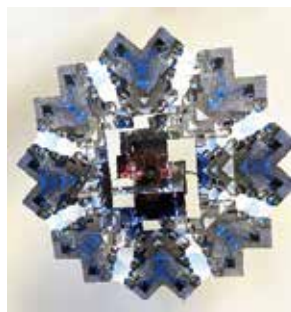
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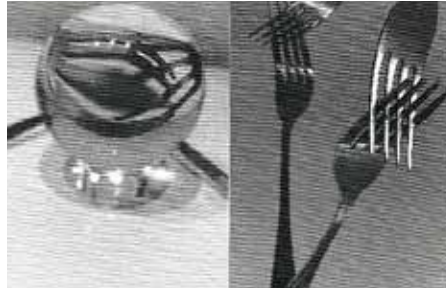
The students enjoyed applying their existing skills on various surfaces and exploring traditional drawing media in new and interesting ways.

GCSE and A-level Art

The following is a sample of work by some of our talented GCSE and A-level students.



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We are running an Autumn Photography competition for all students and we hope to soon be able to share the winners and showcase some of the best entries for the competition. There is still time to submit your own work – simply email your best Autumn photograph to Mrs Sypko-Shah as soon as you can.

Follow us on Instagram: https://www.instagram.com/chsg_visualarts/

We are planning a few trips for years 7 & 8 over the next several months; please watch out for announcements.

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Animal Care

Year 9 Animal Care have made an excellent start. They have shown an interest in all things animal. Whilst learning all about the basics of animal handling, they have been campaigning for a school menagerie.

For Black History Month, Animal Care students will be learning how black women have broken through into the world of horse riding - an animal world they were not represented in.

Animal Care



Lydia Heywood is a sister on a mission to diversify the world of horse riding.

The 24-year-old event rider is mixed race - born to a British mum, Claire, and a Jamaican dad - and it's those experiences that have developed her into the person she is today, a passionate advocate for accessibility in a sport and hobby associated with wealth and whiteness.

From Cheltenham, Heywood's love for horses began from an early age and, aged 11, her single mum bought her first pony. That allowed her to learn about the care involved in keeping horses.

Lydia aims to diversify riding through her own organisation 'Cool Ridings', volunteers as a mentor at Brixton-based Ebony Horse Club, and also works as Diversity Equality and Inclusion Consultant at the Royal Agricultural University.



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Child Development

Our Year 9 students are learning all about Health and Wellbeing for Child Development, (Cambridge National Child Development Unit RO57). They have made a flying start and are a very keen bunch.

Year 10 are busily finishing off their RO58 Task 2 coursework, which was all about creating a safe childcare environment. It has been great to see them applying their learning to a real-world situation.

Year 11 are now on their last coursework unit, and are completing Task 2, which involves observing a child. Some of our wonderful Year 11s organised for 2-4-year-old children to come into school in lessons and during lunchtime so that they could complete observations of physical development.

For Black History Month, Child Development students learnt how we can use books as a medium to salute influential black women in their childcare practice.



'Child A' brought in a selection of toys to show Year 11!

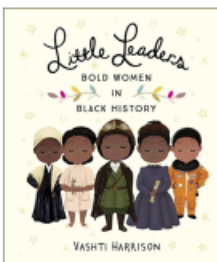
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CHILD DEVELOPMENT



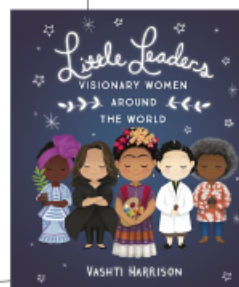
When working with young children, it is important that they learn about lots of strong female role models from diverse backgrounds.

IDEAS FOR READING ABOUT SISTERS WHO MADE A DIFFERENCE



Little Leaders: Bold Women in Black History:
This book introduces strong sisters such as Alice Ball, a young scientist who developed a treatment for leprosy to Josephine Baker, a world famous cabaret singer and dancer, who was also a spy for the WW2 French résistance.

Little Leaders: Visionary Women Around the World
This book covers inspirational women creators - from writers to inventors, artists to scientists, including trailblazing sisters, such as revolutionary architect, Zaha Hadid, actor/inventor Hedy Lamarr, environmental activist Wangari Maathai, modernist painter and animator Mary Blair and physicist Chien-Shiung Wu. All of these women had a lasting impact on their fields.





Citizenship

Year 7

Our Year 7s have started on the “Citizenship - What’s it all about?” unit, unravelling the foundational threads of societal rules, laws, and democracy’s essence. Their exploration will soon transition to the “What are our identities and communities?” unit, where they’ll delve deeper into the diverse tapestry of personal identity and the UK’s multifaceted communities. Claudette Colvin’s journey and her early act of civil disobedience serve as a poignant reminder of the power of individual actions.

Year 8

Year 8s are deeply engrossed in understanding “Why voting is important”. They’ve explored history to understand the struggles of individuals who fought for the right to vote, including figures like Sarah Parker-Redmond. As they advance to “What is the law and how is it changed?” they’ll better understand their rights and responsibilities, differentiating between civil and criminal laws and realising the profound impacts of individual and collective actions on legislative change.

Year 9 Core

Tackling the pressing questions of “What can we do about Social Issues?” our Year 9s are navigating the landscape of various societal concerns in the UK through the lens of protected characteristics found in the Equality Act 2010. This unit champions critical and empathetic understanding, moulding our students into informed citizens of tomorrow.

Year 9 GCSE

In the “Community and Diversity” unit, our GCSE students are deepening their understanding of the UK’s myriad communities. They’ve delved into significant social events, such as the Brixton Riots

of 1981 and the England riots of 2011, gaining insights into their profound impacts on the evolution of our communities. Exploring the historical and contemporary factors that shape our nation, they’re appreciating the interactions and protections granted by the law and recognising the ever-changing dynamics of community and diversity in our society. In addition, through literary extracts from Lee Lawrence and Suresh Grover, students are exploring nuanced perspectives on the intricacies of advocacy and social justice.

Year 10 GCSE

Our Year 10s are immersing themselves in the “Introduction to Politics” unit. They’re navigating the intricate corridors of British democracy, understanding how voices are amplified in the political process. Their insights will guide them in discerning news and contemporary events and actively shaping the political landscape.

Year 11 GCSE

These students are well underway with their “Citizenship in Action Campaign”, applying theory to practice in a campaign of their choice. They’ve reached out to distinguished figures such as Baroness Meyer, Lord Blunkett, Elliot Colburn MP, and Tom Brake. Their enthusiastic pursuits have birthed petitions, pledges, and a dedicated website. As they rally behind their campaigns, they exemplify the spirit of proactive citizenship.

In celebration of Black History Month, we’ve integrated stories of monumental figures who’ve shaped social and political progress in the UK and beyond throughout all our units. Their stories exemplify resilience, passion, and the indomitable spirit of change.

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Computer Science

Year 7

Our Year 7 Computer Science students have been finding their way around the computers and new software applications. Students have built a good understanding on how to use the Office 365 application as well as using MS Teams to check and upload any homework, Outlook to send and receive emails to both students and staff. They have been learning keyboard and mouse skills as well as shortcuts. Students are currently learning how to use a number of software packages including MS Word, MS PowerPoint and Web Browsers

Year 8

Year 8 students have been studying a theoretical unit covering the basic principles of computer architecture. Pupils will revise some of the theory on input, output and storage and how such devices are used in day to day practices. Students then look further into cloud computing, identifying the benefits and risks. They will look at the Input-Process-Output sequence and the Fetch-Decode-Execute cycle and relating all the components to personal devices used.

Year 9

Year 9 have begun their AQA Computer Science GCSE. They have started the Data Representation Unit. Students have carried out conversion of integers from decimal to binary, together with the binary addition of up to three numbers and binary shifts. Students have extended their binary conversions to hexadecimal numbers.

They understand the term 'character set' which includes both ASCII and Unicode and are able to describe the purpose of Unicode and the advantages of Unicode over ASCII. Students are currently looking at how a bitmap graphic is made up of individual pixels and that each pixel is represented in binary.

Year 10

Year 10 students have been covering the concept of a database before extending this into relational databases and associated terminology. Inconsistency and redundancy are covered before looking at Structure Query Language (SQL). Students have been writing and interpreting simple queries and to insert, update or delete data from a database table.

Year 11

Year 11 students have been learning how to write code using python. Students understand and use data types: integer, float and string. They are able to declare and use constants and variables. Students are able to construct algorithms based on a given scenario by using input, output and assignment statements. Students are able to create While and For loops to allow for iteration. Where there are choices to be made, students can use selection and nested selection statements. Students are currently using one-dimensional arrays in their design of solutions to simple problems.

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PE and Dance

In our first half term we have had over 300 students signing up for after school clubs. We have competed in our first borough cross country competition, and we have hosted a number of events ourselves.

Elite Dance Auditions

Well done to all students who turned out for the annual elite dance auditions. Over 50 students competed for a spot in this sought-after club and we were very impressed with the standard of all competitors. Thank you to our fantastic student leaders from the Sixth Form who helped run the event.



House Sport



This term's event is KS3 netball and numbers have been high. Congratulations to the winners - Yellow House (1st), Blue House (2nd), Green House (3rd) and Red House (4th).



Well done to all students who competed in this term's KS3 House netball tournament. Final game was Blue House v Yellow House - congratulations to the Yellow's who won by 1 point!



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After School Clubs

We hope there is something for everyone this term: house sport, elite dance, dance for all, badminton, volleyball, basketball, netball, football, Sixth Form sport and Sport Scholarship weekly clubs. Everyone is welcome – no matter what your experience or ability.



KS3 & KS4 basketball & volleyball every Monday (3-4pm)



KS3 & KS4 netball every Tuesday and Wednesday (3-4pm).



Year 9 & Year 10 badminton every Wednesday (3-4pm).



Sixth Form sport every Thursday (3-4pm)

All these clubs are open to all levels. Come along and get involved. More details can be found on our website.



Cross County Championships

On Thursday 12th October we took 40 from CHSG to the borough championships. A huge well done to our students who battled the wind, rain and mud to do their best around the 1km course. Year 7's completed one lap and all other year groups completed 2 laps. Well done to the following students who have been selected for the Surrey Championships in January 2024: Marnie C (5th place), Lexie D (Y10 - 17th place), Bianca T (Y9 - 12th place), Emily W (Y7 - 10th place), Meadow H (Y7 – 14th place). Well done to our borough Cross Country students. It was amazing to take 40 of you to this event and you represented CHSG so well. We are proud of you!

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The PE department and Sixth Form helpers getting the trampolines ready for your lessons!

Miss Marshall giving everyone top tips & a big well done to Miss Mitchell for her amazing somersaults!



Big thank you to our amazing sport scholarship students who helped with this year's Year 6 testing event in September..



Congratulations to Anna G (Y7) who took part in the All England Taekwon-do Association (AETA) Open English Championships 2023. We were delighted to hear that Anna won three gold medals in the categories of patterns, special technique, and sparring. Additionally, she was honoured to receive the Best Female 9-11 yrs cup. Well done Anna!

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Drama



Mary Poppins the Musical

The year started off 'Practically Perfect' with Mary Poppins auditions and now rehearsals in full swing. Students have been working extremely hard to learn lines, blocking and some of the songs with a focus on choreography this half term. Keep an eye out for tickets for the show which will be on March 12th, 13th and 14th.

Theatre Trips

Fifty Year 7s and 8s got to go and see the performance of Wicked the Musical on the last Thursday of half term. Last week Year 11s got to see A Christmas Carol as part of their GCSE Live Theatre Evaluation. Upcoming trips will be Year 9s and 10s off to see a production of The Witches in the new year.



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LAMDA Club

LAMDA

Students have been working tremendously well on their LAMDA performances with students learning two scripts ready for their assessments in the new year.

Year 7 and 8 Drama Club

Students from both Year 7 and 8 have been working on Improvisation skills in Drama Club. This club runs on every Wednesdays for both Year 7 and Year 8 in J23.

Year 7 Drama

Year 7 drama students have been working on a unit based on the theme of Protest which will equip them with a range of theatre skills, such as still image, thought-tracking, transitions and role play, that they can use to devise performance work.

Year 8 Drama

Year 8 students have been exploring the ideas of status within theatre using the script of The Stones to create a performance. They have been developing their understanding about how you can use cross-cutting effectively to enable the audience to engage with two simultaneous narratives happening on a split-stage.

Year 9 Drama

Year 9 Drama students have been exploring Brechtian techniques, focusing on applying these techniques and ideas into performance. They have been analysing a scripted performance, to use with Brechtian techniques. This half term they started to look at the 6 technical elements of theatre, focusing on costume, lighting, sound, set and staging.

Year 10 Drama

Year 10 Drama students have begun their devised theatre unit and are currently shaping ideas, narratives and performances that they have generated as a response to stimuli. They have also started on their portfolios which accompany this process as part of their GCSEs.

Year 11 Drama

Year 11 Drama students are beginning to work towards their scripted performance exam in which they will be performing two extracts from a professionally published play. Students are going to be using their trip to see A Christmas Carol as part of their live theatre evaluation.



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Design and Technology

It has been wonderful to return to school in September and be able to teach in our kitchens and workshops. The workshops are also buzzing with the afterschool Maker Space Studio clubs. Students are able to use the workshops to extend their techniques and ideas and create products that they may not be able to during lesson time.



KS3 Food Preparation and Nutrition students have been practicing the techniques of rubbing in to make scones and cheese and onion tartlets. The tartlets are a great favourite amongst the staff at CHSG! Today's class made a hearty and warming Mac & Cheese, learning the skill of making a roux to create a cheesy white sauce. A roux is one of the basic thickening agents in cooking and is used primarily for thickening sauces and soups. It's made from equal parts of fat and flour, which then has milk or stock added to it. This is the base for classic

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sauces such as béchamel, velouté or espagnole sauce. Two things learnt from today's lesson:

1. Gradually add the liquid a little at a time, stirring constantly. This is really important at the beginning and then once half the liquid has been added the remainder can be added more quickly. Cook the sauce gently and stir constantly until it thickens and becomes glossy and smooth. Using a whisk will be much easier than a wooden spoon to avoid lumps.
2. When cooking never leave a roux unattended, not even for a moment and if you think the sauce is sticking just take the pan off the heat for a few minutes and keep stirring.



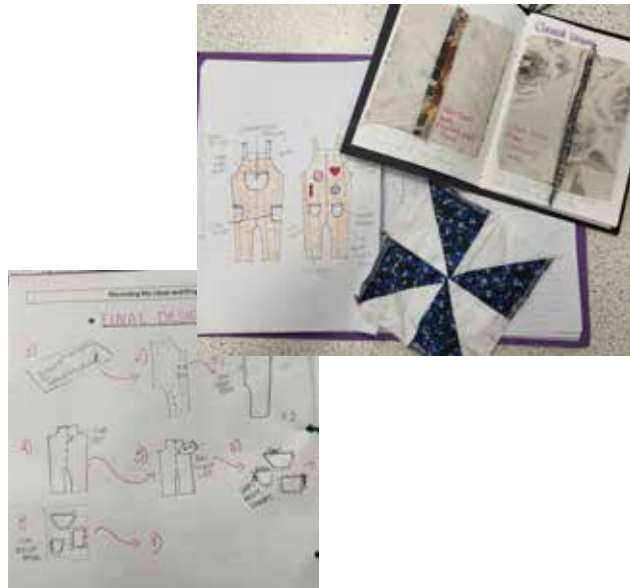
Year 7 D&T students have been focusing on natural and manmade timbers. They have been using the pillar drill and other hand tools as an introduction to the workshop. Their block bots are beginning to take on their own personalities and we cannot wait to see the end results.

Year 8 D&T students have also been focusing on natural and manmade timbers and have been set the challenge to create a trinket box using a finger joint as the method of construction.



Miss Nelson is very impressed at the great start Year 9 Design and Technology and the Fashion

and Textiles students have made in their chosen courses. D&T students are in the process of constructing jewellery boxes, whilst the Textiles students are creating children's dungarees.



Year 9 Hospitality and Catering students are currently exploring the world of Fakeaways – researching the nutritional content and the techniques used to reproduce high street takeaway food.



Year 10 Design and Technology students are currently studying the textiles component of their GCSE before they begin a 'mock' NEA styled task in preparation for their coursework that begins in June

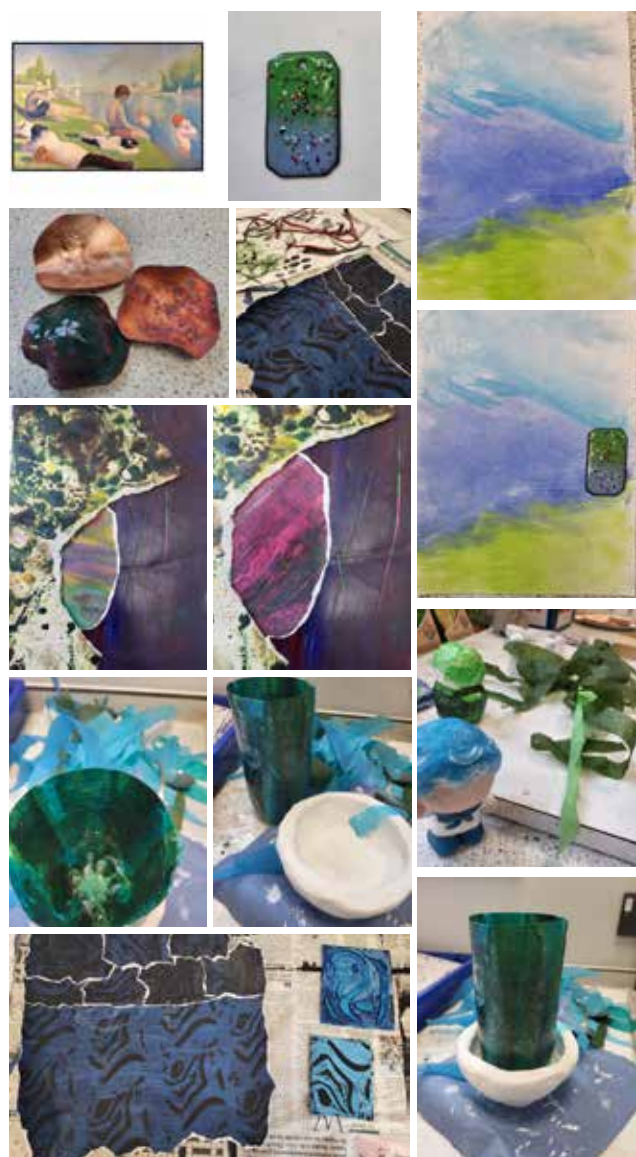
All of our Y11 students in Hospitality and

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Catering, Design and Technology and Fashion and Textiles are preparing for, or working on their coursework. We are unable to share photos of their 'live' coursework – but it is looking good. The Fashion and Textiles students will be taking art in a 'Landmarks of London' trip this week to gather primary research for their coursework. We hope they enjoy the walk!

It has been a couple of years since we have run the A level 3D Design course, we are delighted with the attitude and commitment already being demonstrated by our Y12 students. Students have been asked to research and interpret the concept of 'Flow' as a starting point. They are then asked to present ideas as a 3 dimensional outcome. Students must explore a range of materials and process to achieve an informed understanding and outcome. One challenge was to respond the picture of The Bathers by Seurat. Some responses can be seen in the pictures below.



Earlier this term 8 students with an interest in Fashion and Textiles were invited to 10 Downing Street to meet and take part in a discussion with Akshata Murty (aka Mrs Sunak), Clare Hornby the founder of Me & Em and a fashion journalist. Our students took part in the discussion and shared their ideas about fashion and sustainability in the textiles industry as well as the importance of design and make based skills. Once the discussion had taken place we were taken on a tour of Downing Street. The students even saw Rishi Sunak as he was preparing for an interview. This was an amazing opportunity to see inside such a historic building at the centre of British politics.



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English

'...the last smiles of the year upon the tawny leaves and withered hedges...'

Persuasion, Jane Austen

The Autumn term: it is a delicious irony that this seasonal flourish marks the beginning of the new school year. Students are moving on to new academic adventures but the fruit of their previous learning endeavours is about to be harvested. Black History features prominently in our Autumn curriculum as Y8



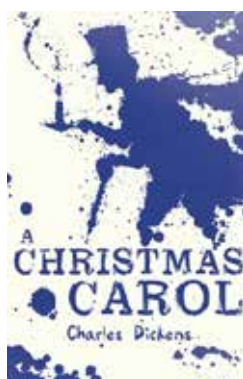
and Y9 study writers from a variety of ethnic heritages such as John Agard, Imtiaz Dharker, Amanda Gorman and Sojourner Truth. Y12 also learn how to apply Post-Colonial readings to 'Othello' to explore historical perceptions of blackness in literature.

By now, your child should have selected their wider reading book from the extensive English department selection of aspirational titles using Accessit, our new digital library. I hope our book lovers will also have signed up to Carnegie Reading Group run by Mrs Green and that budding poets will have entered our National Poetry Day competition on the theme of 'refuge', judged by Miss Paine and Ms Uddin.



Year 7 embark on their secondary careers by firstly reading the wonderful National Theatre script of Michael Morpugo's 'War Horse'. That completed, they begin to explore an array of creative writing techniques, bringing to

bear prior and new knowledge about sensory description, figurative language and colour imagery as well as shaping a narrative to imagine their own story about a human-animal friendship that features a rescue. The second half of the term begins the secondary school journey into poetry, studying its key elements of form, structure and language in a collection of poems about childhood.



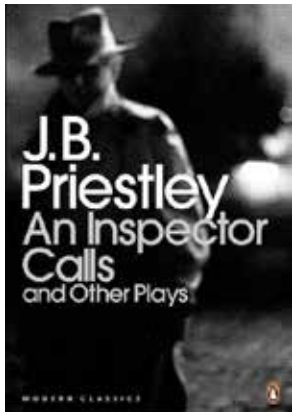
In Year 8, students will build on their knowledge about poetry to explore a range of poems on the theme of power. They will add to their foundational knowledge by exploring how we measure rhythm and rhyme in analysis. After half term, they will develop their creative writing skills from Y7 by learning how to build description, character and plot as they study 'A Christmas Carol' to 'Write Like Dickens', their own redemption story.

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Year 9 students enrich their knowledge of non-fiction reading and writing with the unit 'Diverse Voices'. Students read a variety of texts from Sathnam Sanghera's 'Empireland' to Michelle Obama's 'Becoming'. It is the perfect preparation for GCSE

Language. In the run up to Christmas, Y9 study one of three Shakespeare comedies either 'A Midsummer Night's Dream', 'Much Ado About Nothing' or 'Twelfth Night'.

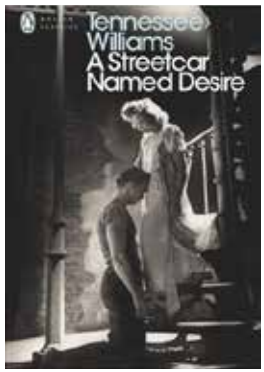


Year 10 commence the GCSE courses for both English Language and English Literature. The compelling play 'An Inspector Calls' by JB Priestley extends their study of drama in literature and for English Language students learn how to analyse Fiction

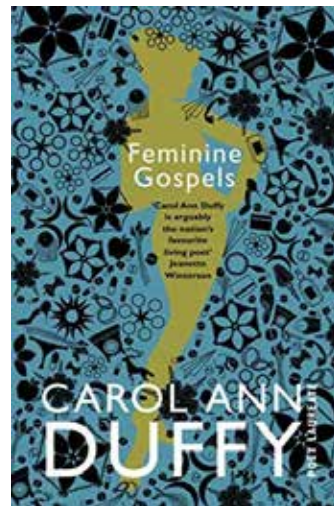
sources as well as utilise their finely-honed creative writing skills.

Year 11 is preparing for their first set of mocks in GCSE English Language in November working through a revision unit targeted at refining their knowledge and exam technique. The results of these will be used to shape their revision programme later on in the year.

Having studied Shakespearian and Modern drama for GCSE, Y12 students will continue their A Level course with the study of two plays: 'Othello' and the seminal expressionist work 'A Streetcar Named Desire' by Tennessee Williams.



Building on the complex schemes of knowledge developed throughout KS3 and KS4, students explore the genre of tragedy in literary heritage. They also begin their collaborative Wider Reading blogs by contributing to the Autumn term publication on Literary Classics.



Year 13 are delving into the world of Mary Shelley's 'Frankenstein' in preparation for their coursework (the NEA, non-examined assessment) worth 25% of their overall grade, whilst also doing their own study and research on a companion text of their choice.

They complete their study of Modern Times by exploring 'Feminine Gospels', an anthology written by the recent poet laureate, Carol Ann Duffy. Y13 too are preparing for their first set of mocks, revising their knowledge from Y12 using high leverage strategies.

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Geography

KS3:



Year 7 have been learning about mapskills this term. They have started to practice using the PEA paragraph structure to help them when describing the location of London within the UK. They have also begun to develop the

skill of using grid references to locate places in more detail.

Year 8 have been looking at world development and economic activity. They too have written a PEA paragraph on how gender inequality can hinder levels of economic development across many LICs. This topic has provoked lots of fantastic discussion about levels of inequalities around the world.

Year 9 all started looking at energy and the Middle East. They have learnt about the greenhouse effect and how sustainable energy can be used in the future to help reduce the effect on Earth's atmosphere from burning fossil fuels. Year 9 have also learnt that the Middle East is an important world region economically due to its oil and gas reserves.



KS4:

Year 10 have completed all of their work on the UK Physical features including the units of Coasts and Rivers. This makes up part of their Physical Geography Paper 1 units and are now moving on to a new topic- Living with Natural Hazards. This unit will look at the causes and effects of earthquakes, tropical storms and climate change.

Year 11 are working incredibly hard both in and out of lessons. They are currently studying the unit of work of 'The Changing Economic World' which looks at the differences in levels of economic development across the world and how that can affect a country's quality of life.

KS5:

Year 13 are currently working on their NEA outside of lessons, producing a written investigation on independent fieldwork that they conducted over the summer. This counts towards their final grade and the students have been very focused on this. They are also studying the units of Hazards and have just started the new 'Global systems and Global governance' unit which looks at world financial regulatory systems such as the IMF and the World Bank.

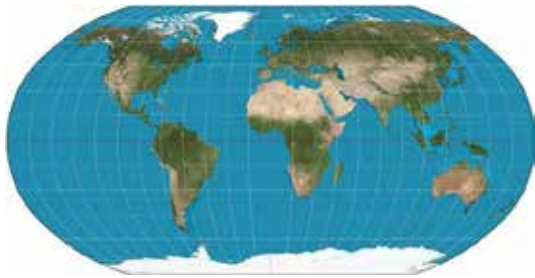
Map of the Month:

In the Geography department this month we are launching 'Map of the Month', where each

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month we will show a different map projection and discuss its limitations. For the month of October it is the Robinson projection, which shows neither the country size or land mass as correct- and uses curved meridians to show the spherical shape. Look out for the map in the Geography department!



Geography SharePoint

If you've not visited our Geography SharePoint page yet, you are missing out on revision lists and resources, links to our YouTube channel and recommended videos and websites, as well as copies of workbooks and lesson PPTs. Let us know what you find most useful and if there is anything else you would like us to add to help you.

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Health and Social Care

Our Year 12s have been settling in nicely. They are all working hard at Unit 1: Human Lifespan Development and those who are taking the BTEC National Diploma (two A Level equivalent qualification) are also working on Unit 7: Principles of Safe Practice in Health and Social Care.

Year 13 BTEC National Award students are working toward their Unit 2: Working in Health and Social Care examination in January, whilst our BTEC National Diploma students are learning all about research methods for their January exam, Unit 4: Enquiries into Current Research in Health and Social Care.

For Black History Month Health and Social Care students will be ‘Saluting Our Sisters’ who have made nursing the skilled and valued profession it is today.

HEALTH AND SOCIAL CARE



Sisters doing it THEN!

MARY SEACOLE

As a British-Jamaican pioneer nurse in the 1800s, her leadership and courage paved the way for diversity in nursing in the UK after she cared for wounded British soldiers during the Crimean War. Statistics show that ethnic minorities now make up 20 per cent of the UK's nursing profession and 36 per cent of the nursing and midwifery workforce (NMC).



Sisters doing it NOW!

ARLENE WELLMAN

MBE, Group Chief Nursing Officer at Epsom and St. Helier NHS Trust

Arlene qualified as a general registered nurse in Trinidad and migrated to the UK with the intention of training as a midwife, but became an elderly care nurse and has more than 20 years' experience in this speciality. Arlene holds a degree in Health and Social Care for Older People and a Master's degree in Clinical Healthcare Practice. She has held various senior nursing roles across acute trusts, including Matron, Senior Matron and Divisional Nurse at Oxford University Hospitals NHS Trust.



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History

Over the last half term, History classes have been studying some of the most important areas of the curriculum. Year 7 students have been hard at work investigating the development of London from its earliest beginnings as Roman Londinium through to the London Blitz and post-war transformation. Year 8 classes have been tackling religious change in the Tudor era. This unit has given them the opportunity to explore one of England’s most infamous monarchs, Henry VIII. Meanwhile, our Year 9 students have been hard at work following an enquiry into how historians find out about life on the Western Front during the First World War. As part of this enquiry, they have explored how and why so many men signed up to fight on the Western Front, including the participation of people from across the British Empire who risked their lives fighting for Britain. Students are now honing their skills at analysing and evaluating different forms of contemporary evidence from the Western Front including eyewitness testimony and photographs.

This summer, the History Department was delighted to celebrate the outstanding results of our Key Stage 4 and Key Stage 5 students. We are also pleased to see that our next cohort of GCSE and A Level historians have made such a strong start to the year. Year 10 and Year 11 students have been developing a deeper understanding of the most tense period of the Cold War. This unit engages them in the study of three of the most serious crises of the

conflict in Berlin, Cuba and Czechoslovakia. Year 10 have already explored how a refugee crisis in Berlin in the 1950s led to the construction of the Berlin Wall, one of the enduring symbols of Cold War division. Meanwhile Year 11 have investigated the most dangerous thirteen days of the Cold War during the Cuban Missile Crisis in 1962. Among other things, Year 12 students have embarked on an investigation of the period from 1894-1905 in Russia, developing an understanding of the problems facing Nicholas II, the final Russian tsar, on his accession to the throne. Meanwhile Year 13 have been hard at work on their coursework projects, opting for either an independent study into the Tudor period or the Russian revolutions. They have also been engrossed in analysing how Lenin and the Bolsheviks won the Russian Civil War.

Once again, the History Department is pleased to announce its participation in the school’s annual programme of events to celebrate Black History Month. This year’s theme, ‘Saluting our sisters’ presents us with an ideal opportunity to remember Ruby Bridges. Born in 1954, she was the first black American to attend William Frantz Elementary School in Louisiana during the process of desegregation in the American south. This year, the History Department will commemorate her bravery in doing so and her enduring contribution to fighting racism in all its forms.

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Law

Year 12

We have been studying the English legal system and the way in which our laws are made by both judges and parliament. We have explored delegated legislation and have been looking at local examples - such as the use of bylaws in local parks. More recently we have started to look at the Precedent, exploring how the Supreme Court works and the powers of the Justices. As part of our learning we have been looking at the make up of the Bar, as part of Black History month we have explored the contributions of Black and Asian communities to the Legal System of the UK, and the challenges they have faced in the pursuit of equality of the make up of the Judiciary.

Year 12 Law students have completed a variety of practise exam questions around these topics building on their AO1 knowledge and have demonstrated a high level of understanding of this part of A level law. Well done all!

Next term we will be looking at the legal profession and the students will attend talks by people in the legal profession including a lawyer who works in the corporate sector and an ex student who will speak to the students about alternative pathways into law via apprenticeships.

Year 13

In year 13 Law we have explored the Law around Capacity and Necessity defences. This includes what happens if someone is intoxicated and commits a crime! Students have been exploring current news stories on this and the impact this has on sentencing for individuals.

Students have now moved onto the Law of Tort, where they have been exploring Pure economic Loss and Psychiatric injury. Students have been looking at the Hillsborough disaster and how the courts have put limits on those who are able to claim when the person has suffered a mental trauma as a result of an accident. This has led to discussions around public policy and the balance of rights between the claimant and the defendant.

Students have done really well in their debates in these topics and they have been able to apply the law using their AO1 knowledge and their AO3 evaluative skills.

Year 13 show commitment to their subject, they are always enthusiastic in lessons and I am so proud of their hard work in lessons and leading up to their exams. Well done Year 13!

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Maths

Year 7

The Year 7s have settled into the Maths department well and are well underway on their journey through the curriculum. We have been delighted to see them working hard and impressed with the knowledge that they have come to us with from their primary schools. We have worked through our first unit on Number skills, and are currently on the first Algebra unit. We will return to these topics at a higher level throughout your child's time at CHSG on our spiral curriculum. Sparx home learning is going well, with students getting used to the systems quickly, and already making great progress – every 10000 points a student gets, they go up a level on Sparx. As you can see from the leaderboard, students who do more independent learning are rewarded with additional points as well as them having deepened their knowledge of the curriculum.



Sparx Leaderboard

Year 7 September - October 2023

Student	Tutor Group	Total XP	Level Achieved
Diya L-C-Y	7R2	51339	5
Hanishga P	7B2	20833	2
Yashica P	7Y3	19056	1
Thansyka V	7B2	15299	1
Kira T	7Y1	12454	1

Our Year 7s are amazing independent learners – well done everyone, and keep this up!



Year 8

Year 8 have started their second unit of the year, and are well on their way on the CHSG Maths curriculum pathway. Students have studied Multiplicative Reasoning which is a combination of number, measure, ratio and proportion skills which have tested students' prior knowledge of these key topics as well as given them an insight into how Imperial and Metric units can be used interchangeably to describe different quantities. They are now working on Perimeter, area and volume and will be moving onto Solving equations after the break.

Sparx Leaderboard

Year 8 September – October 2023

Student	Tutor Group	Total XP (since Year 7)	Level Achieved
Harneet K	8G2	118813	11
Mahrosh I	8G1	97198	9
Shore S	8G1	58227	5
Kharishma S	8Y1	53325	5
Briana Y	8G1	52531	5

Keep up with the independent learning, Year 8! This gives you a lot more XP – students highest on the leaderboard have completed more independent learning on the platform than others in their year group.



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Year 9

Year 9 have been working on Number, which is the second time loop of our spiral curriculum - they last saw this specific topic area in Year 7. This time around they will go up to the next level, looking at more challenging concepts and preparing to answer GCSE style questions much more frequently. After this they will be starting their Algebra unit, again, building on prior learning in Year 7 and 8 and extending this to continue their journey to GCSE success.

Sparx Leaderboard Year 9 September – October 2023

Student	Tutor Group	Total XP (since Year 7)	Level Achieved
Riya L-C-Y	9Y2	214454	21
Aya A	9B1	79353	7
Abishanaa T	9B2	73892	7
Tiffany T	9B2	58367	5
Isabella D-L	9G2	56184	5

SPARX MATHS



Independent learning makes up a lot of a student's XP on Sparx, so as they progress we look forward to seeing these figures grow for Year 9!

Year 10

Year 10 have completed their Area, Perimeter and Volume unit which is the second time that they have been through this topic area since Year 8. Students will have discovered how this topic area has developed and become more complex as they start to look forwards to GCSE questions and how to gain those all important marks in exams. They are just completing a unit on Similarity and Congruence, which is a challenging one with proof, geometrical reasoning and written explanations stretching our students to be their best.

Sparx Leaderboard

Year 10 September – October 2023

Student	Tutor Group	Total XP (since Year 7)	Level Achieved
Shaista J	10R1	137739	13
Kanishka J-S	10B1	79898	7
Gloria P	10B1	76867	7
Sae J	10R1	65529	6
Mia-Jade C	10R1	63933	6

As we head towards the GCSE, our Year 10s should be doing as much independent learning as they can on Sparx – this will increase their overall XP by a huge amount, and help them to get close to the figures you can see in the tables above.

Year 11

Year 11 have been working hard towards their first set of mocks. They are very close to the end of the curriculum, with the end in sight in early 2024. We have built in a number of exam preparation periods for our students to help them be as ready as possible for their mock exams after half term. Units covered so far this year have included Statistics and Algebra. Topics have been challenging as we push to get the highest possible grades for each and every student.

Year 11 still have access to Sparx, but we have now moved to GCSE practice papers for homework once a week. These should be timed and checked carefully by our students who have access to mark schemes to help them understand what the examiners are looking for in their answers.

Morning Maths sessions have been going well with a bright and early 8:30am start, and short, sharp revision taking place every day.

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Year 12

Year 12 are now well into their A level course, and have begun their Pure Maths learning with their Algebra work, along with their Applied Maths learning in Mechanics on Kinematics, which involves using Pure Maths skills to work with the Constant Acceleration equations to solve motion problems. They will have completed this half term’s assessments and also will have completed their My Maths home learning by the time half term is here.

Students are also given 1 hour homework to do after each lesson to finish off questions, complete revision activities and check their notes.

Year 13

Year 13 have been completing their Statistics units so far this year, and have now moved onto the final Mechanics material, beginning with Kinematics 2 which is on the spiral of learning for Year 12 and 13. Building on last year’s material, this includes aspects of Physics including Projectiles, and also later in the year Moments. In Pure Maths we have revisited Algebra, learning about Partial Fractions and also Functions, Graphs and Transformations.

Students have completed assessments from their assessment booklets on the topics we have covered so far, and also have worked through My Maths tasks online to support their learning. Like Year 12, they also have 1 hour of work to do following each lesson to build on their learning, complete exam questions or to finish sections of their workbooks.

Our Further Mathematicians are working hard on Proof by Induction, Roots of Polynomials, More Complex Number work (De Moivre’s Theorem) and are just beginning the final part of Inequalities.

Our GCSE Resitters in Year 12 and 13 are about to embark on their November examination, and we wish them all the best with this exam!

A very busy half term for the department overall – we are looking forward to the second half of Autumn term, and seeing how our examination groups get on with their first set of mock exams.

Mrs Foley & the Maths Team

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Modern Foreign Languages

Year 7

Year 7 Spanish have gotten off to a great start. They have been learning how to introduce themselves and talk about their birthdays. They have started a counting challenge to see how far they can count to in Spanish. Some have even made a YouTube video with their efforts which was very impressive. They have also watched some videos of young people using the language that they have been learning and analysing the script, which they really enjoyed.



Year 7 French students have been learning to express their opinions about various things. They have been practising their speaking skills by posing questions to their partner and have made opinion cards to vary their answers. They are becoming more and more confident every day.



The students have also started to fill in their vocabulary notebooks. The hope is that these notebooks will remain with them year on year until they have a large collection to support their revision.

Year 8

All our MFL language groups have had an excellent start to the year. Year 8 Spanish students are presently engaged in expanding their vocabulary related to leisure activities and describing others. They recently paid a visit to the Careers Centre, where they dedicated a lesson to interviewing each other using the key

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questions from this unit. This provided ample opportunities for speaking practice and created a highly positive learning atmosphere. Upon



completing the current unit, they will delve into vocabulary pertaining to outings, social events, and extending invitations to others, all while exploring the conditional tense.

Year 9

Year 9 French students have had a fantastic start to the year exploring their very first GCSE unit on Family and Friends. Students have exercised all 4 language skills – Reading, Writing, Listening and Speaking – in the context of the new unit with vocabulary retrieval activities each lesson to support their learning. They have displayed a highly positive approach to their learning with a willingness to explore the new adventure that the GCSE presents. Following this unit, they will move on to Social media and Technology in every day life.

1.1 Read the outcome of a survey asking young people about the technology they use for their school work.

D'après un sondage récent, 80% des jeunes de 13 à 18 ans utilisent Internet pour le travail scolaire. Parmi ceux-là, 95% disent qu'ils se servent de leur téléphone portable, 50% d'un ordinateur et 11% d'une tablette. Seulement 16% des étudiants déclarent utiliser des applications pour améliorer leurs connaissances. Les technologies qui sont les moins utiles pour l'éducation, selon les jeunes, sont les lecteurs DVD et les montres intelligentes avec 5% et 3% respectivement qui les utilisent.

Write the correct number in each box
What percentage of young people :

- use internet for school work ?
- access internet via their tablet ?
- go online using their phone ?
- benefit from their Smartwatch?
- take advantages of apps ?

/5

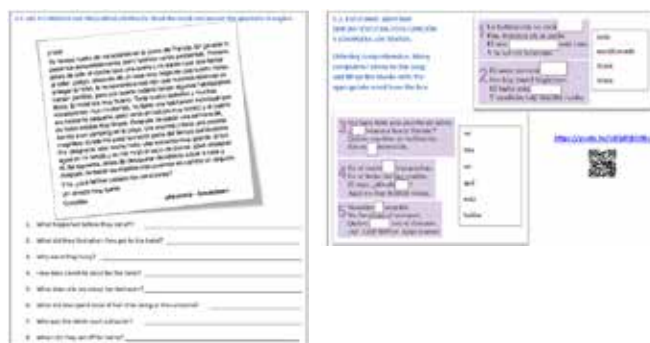
Year 10

This term our Y10 German students are learning about festivals in the German-speaking world. This has been a great opportunity for cultural

learning - such as when St Nicolaus (aka Santa Claus) comes with presents and sweets for the children - the evening of 5th December; what German children get given on their first day at school - a huge paper cone of sweets; and which festival is celebrated in Germany on 3rd October - the Day of German Unity, on the anniversary of the reunification of the post-WWII East and West Germany. The topic of Customs and Festivals forms part of the GCSE curriculum, and students are practising important skills that they will need for their GCSE, such as speaking about which festivals they most like celebrating, and why. They have been practising their speaking skills in class with other students, and have also had the opportunity to practise 1-1 after school with their teacher.



Year 11 Spanish students have been working on Unit 8 which teaches them about travel and tourism in Spain. They learn about booking holidays, making complaints and giving and understanding information from the tourist office. Many of the activities involve preparing conversations, responding to written information and listening to and responding to video comprehension activities.



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Music

Year 7 have started off their CHSG musical journey with a singing topic. As they've explored different types of songs, they have become more confident in singing with each other and expressing themselves. Their first performance at CHSG involved them rewriting the lyrics to a song learnt in class – the group in 7R3 who sang about their favourite chocolates had the whole class feeling hungry! Year 7 have also begun to learn about using different dynamics (volumes) and combining different rhythms in performance, skills that will serve them well in their upcoming Stomp and Samba topic.

Year 8 have continued to build their musical skills with a Jazz and Blues topic. They have explored how the Blues was pivotal in the development of much Popular music and practiced the 12-Bar Blues chord sequence. They have worked in pairs to produce a performance where they have improvised their own music around the Blues scale at the keyboard. They then concluded the topic with an introduction to playing chords on the Ukulele, an instrument they will return to later in the year.

The Year 9 Extended Curriculum have been exploring Dance Music across the ages from Baroque to Electronic, via Waltz, Bhangra and Disco. They've performed at the keyboard, produced small group percussion pieces, enjoyed recreating the sounds of

the synthesiser and have created their own Electronic Dance Music tracks.

The Year 9 GCSE group have been working through their Step Up to GCSE topic which helps them developing their listening, performing and composing skills. They have been working hard in and outside of lessons to get their first ensemble performances ready for the sharing lesson before half-term. They have returned to musical elements covered in KS3 and begun to discover more language that can be used to describe them when listening and have been introduced to a new music notation software, Musescore.

Year 10 have continued to build on their success in Year 9 and started the year working on a small group performance of Bob Marley's Three Little Birds. This served as an introduction to thinking about higher level harmony, which is proving useful as they begin to study their first GCSE set work, Badinerie by J.S. Bach. In other lessons they are covering Music for Ensembles and are enjoying learning more about Musical Theatre, Jazz, Blues and Rock 'n' Roll. Year 10 are also receiving regular composition lessons to help them prepare to start their GCSE coursework after Christmas.

Year 11 started the year with a quick deadline – their Free Composition (15% of the GCSE) was completed in September. They are now

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focussing on the Popular Music area of the course, learning about the second GCSE set work, Africa by Toto, and studying the developments in Popular Music from 1950-2000. They are also hard at work preparing their Solo and Ensemble Performances ready for recording in February and have started their second GCSE composition, which is to a brief set by the exam board.

Year 13 continue to be invaluable in the running of the music department, helping out regularly with auditions, lessons and rehearsals. In their academic lessons they have been revising their Musical Theatre topic and delving further into Western Art Music at the turn of the 20th Century. They have also continued to develop their listening and aural skills through the study of symphonic music. Like Year 11, Year 13 are also developing their compositions and preparing for their A-Level recitals in front of a visiting examiner in the Spring.

Outside of academic lessons the music department continues to flourish. Co-curricular clubs are proving popular and with the arrival of Mr Bartaby we are now able to add a Guitar and Ukulele club to our offer. Instrumental Club and Choir are well attended by all years and both groups are working hard to prepare for the Winter Concert on Tuesday 12th December. Working closely with Drama we have now auditioned and cast all roles for the school production of Mary Poppins in March 2024. Rehearsals are already sounding fabulous so keep an eye out for tickets when they go on sale.

More students than ever are also now receiving individual peripatetic lessons in school. The new trips and events programme is off to a flying with the Year 7 and 8 trip to see Wicked in October. More trips are in the works for the future. The CHSG music department has had a fantastic start to the academic year and will continue to grow over the next few months.



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Philosophy, Religion and Ethics

Year 7

Year 7 have made a fantastic start to their studies with us, working to answer our first enquiry question ‘what is belief?’ They have been sorting facts and opinions from beliefs, and they came up with some excellent examples of their own! They have also been thinking about what physical evidence we can see around us to show that people hold beliefs, from clothing and jewellery to buildings to what people might be saying or doing. They are now moving on to learn more about the Abrahamic faiths – Judaism, Christianity and Islam, before we take a look at the fascinating world of religious symbolism after Half Term.



Year 8

Our Year 8 students have begun the year with a mix of religion and ethics by studying issues to do with the environment.

They are learning about what different faiths believe our responsibility is towards the world around us, and debating big questions such as ‘should animals have rights?’ It is fantastic to see so many viewpoints being shared both

passionately and respectfully. After half term, year 8 will be studying different types of relationships. They will be examining different religious teachings about how we should treat others, whether they be friends, family, or strangers.

Year 9 Core

Our core lessons are introducing Year 9 students to the Ancient Greek philosophers as well as some of the most famous philosophical questions of all time – can we prove that God is real? How do we know what is right and what is wrong? This unit asks that students get curious and critical about some of their deepest held assumptions, and they have been really rising to that challenge!

Year 9 GCSE

Our newest GCSE students have made a really positive start to the course, learning about Christian beliefs. They have been studying the Holy Trinity, creation beliefs, the last days of Jesus, and the problem of evil, to name just a few topics. They have had their first go at some exam questions and it has been wonderful to see their confidence growing. After half term they got to grips with Christian beliefs about marriage and the family before we move on to Muslim beliefs in the new year.

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Year 10

Year 10 have spent the first half of the autumn term tackling arguably the most challenging – yet also interesting – unit in the entire GCSE course: Matters of Life and Death. Covering topics as diverse as creation, scientific theories of the origins of life as well as morally contentious issues such as abortion and euthanasia, the class have enjoyed involving themselves in debate. There’s even been a chance for some ghost stories as part of the lessons examining reasons why people believe in life after death: who knew that Sutton and the surrounding area had such a history of paranormal activity?!

Year 11

Year 11 are well into the final approach ahead of their May exams. With the three-year Key Stage 4, students have the luxury of revisiting earlier course material throughout Year 11 and are currently refreshing themselves on foundational concepts in the Muslim Beliefs unit. They have already been tested on their knowledge of Arabic keywords, as well as taking part in exam practice sessions. The next unit will be Marriage and the Family, which students last learnt about in Year 9. Not long to go now Year 11 – keep working hard!

Year 12

Year 12 are now nearly a whole half term into their A Level Philosophy. With Miss Pearson, they have been getting to grips with a totally new subject: epistemology. In this unit, students are invited to think about knowledge and how it’s acquired – certainly a new and challenging



academic experience for the brave students taking it on.

On slightly more familiar ground, Mr Treagust has been examining the moral theory of utilitarianism with the class. In other words: something is morally good if it provides the most amount of pleasure or happiness for the most amount of people. What do you think?

Year 13

With less than a year to go until their exams, Year 13 are beginning to approach the home straight. Miss Pearson has introduced the class to the Metaphysics of God unit, through which the students examine some of the language surrounding God as well as some classic arguments for and against God’s existence.

Year 13 are also currently finishing off their Meta Ethics unit with Mr Treagust. The students are studying the 20th century debate around moral language and whether or not moral statements can be grounded in the ‘real’ world, or whether – by their nature – they are just expressions of approval or disapproval. A fiddly subject with a whole host of word to learn; keep going Year 13!

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Science

Physics

Year 7 Physics

In September, we welcomed our new Year 7 students into Physics. We started the year with our Introduction to Science unit that looked at how to be a great scientist using new lab equipment, how to do practical work and lighting a Bunsen burner which is the highlight of this topic. All students are currently working on the unit 'The Universe' which explores what makes up the universe, the Solar system, how the Moon's phases happen as well as what causes day / night and the seasons.



We are particularly interested in the work of Dr Maggie Aderin-Pocock MBE, a British Space Scientist and science educator. We focused on her work during the department's celebration of Black History Month.

Year 8 Physics

Students are currently working the 'Energy' unit in Year 8. This unit focusses on our energy resources of the present and how these are

being developed in the future and includes how we use energy in the home and ways to reduce energy loss which is obviously quite topical at the moment. This unit will take the students past half term when there will be an assessment of what has been learnt in November.

Year 9 Physics

In September, we started off by looking at the topic of Energy use which follows on from the Year 8 work covered. We have looked at different stores of energy and energy transfers and we will be calculating our own power output when going up a flight of stairs. Following on from our Year 8 work we will be studying energy efficiency and how to reduce energy loss in the home.

Year 10 Physics

Students have started to work on the module P6 which covers Molecules and Matter and forms the basis of our understanding of the Particle model of matter. We have looked at the kinetic theory of gases and students are currently embarking on some practical work studying the specific latent of fusion and vaporisation of materials and how these impacts on objects in everyday life.

Year 11 Physics

In Year 11 students have been studying Radioactivity for Combined Science classes and

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Waves for our Triple Science groups. These are particularly important units as they cover all the groundwork for atomic structure and wave motion that is needed for other units to be studied in Year 11. We looked at two required practical activities last half term covering some important work on how waves travel and interact with matter.

A Level Physics

The students embarked on their new A level course working on areas such as force and motion as well as topics in current electricity. Students' ability to carry out assessed practical work begins this term with them being able to work out the acceleration due to gravity on Earth.

Chemistry

Year 7 Chemistry

Our new Year 7 students have made an excellent start to the year with their introductory unit. During these lessons they have learned how to work as scientists including selecting equipment, collecting and recording results, and the most popular skill – lighting a Bunsen burner. Students are now working on the unit 'The particle model' - investigating what the matter around us is made of, how and why substances change state, and carrying out practical work on diffusion, solubility, and evaporation.

Year 8 Chemistry

Students in Year 8 have started the year with a refresh of the skills needed to work scientifically. This has included safe practical work in the laboratory, planning investigations, and gathering and recording data. Year 8 are currently working on the 'Separating techniques' topic. This links their ideas about elements, compounds and mixtures from Year 7 with new concepts about separating these from each other. This is a popular topic with plenty of practical work including crystallisation, distillation, and chromatography.

Year 9 Chemistry

On their return to school in September, Year 9 students completed a series of lessons to prepare them for the Required Practical component of the curriculum. These focused on working safely and effectively in the laboratory and how to gather valid data to make conclusions. Year 9 are now learning about Atomic Structure – the cornerstone of a solid understanding of Chemistry. They will learn about how the model of the atom has changed over time, the nature of subatomic particles, and how ions are formed.

Year 10 Chemistry



Year 10 students are studying Chemical Calculations. This is a notoriously challenging topic with important applications in industry. Students have been learning how to calculate the amount of substance present in certain chemicals, and were astounded to find out that the number of atoms in a grapefruit is the same as the number of blueberries you could fit in the Earth!

Year 11 Chemistry

In Year 11 Chemistry students are learning about Rates of Reaction. They began this topic by investigating how surface area, concentration, pressure, temperature, and catalysts can affect rate and discussing the reasons behind this in terms of particles and collision theory. Students are now exploring

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equilibrium and how chemical engineers can manipulate this to their advantage. We have discussed the Haber process and debated whether Fritz Haber's contribution to modern agriculture outweighs that of explosive manufacture during the First World War.

Year 12 Chemistry

Year 12 Chemistry students have started the term by developing their ideas about the structure of the atom from the GCSE course. They have also been working on calculating amount of substance and manipulating mathematical expressions to solve chemical problems.

Year 13 Chemistry

Year 13 Chemistry students have been working on Rates of Reaction, using their ideas from previous years and expanding on these using mathematical proof such as The Arrhenius Equation, a formula for the temperature dependence of reaction rates.

$$k = Ae^{\frac{-E_a}{RT}}$$

k = rate constant

A = pre-exponential factor

E_a = activation energy (in the same units as $R \cdot T$)

R = universal gas constant

T = absolute temperature (in Kelvin)

We have carried out several practical activities including the 'Iodine Clock' - an initial rates method. Students have studied equilibrium and applied quantitative analysis to a previously qualitative subject.

Biology

Year 7 Biology

Our Year 7 biologists are continuing their great start to this academic year! They are currently learning about cells and how the basic units of life are so important to everything we know.

They will now be looking at gas exchange systems of different organisms and how there are adapted to their function. The number of practicals which they are conducting is also increasing as they continue to hone their skills.

Year 8 Biology

Our Year 8 biologists are currently working through a fantastic unit on health and lifestyle. Here they are learning how different actions, foods and chemicals affect the body in either a negative or positive way. They will also learn crucial lessons in how to look after their mind and body which they can put into practice in and out of school. After half-term they will be moving onto core biological processes which play an integral role in the world.

Year 9 Biology

Our Year 9 biologists have made a fantastic start to their GCSE content. They are currently learning about the amazing world of cells and why they are so integral to every topic within biology. They have learnt to conduct practicals in a far more independent way than previously, taking responsibility for planning and carrying them out. They will soon be moving onto cell division, learning how this crucial process is the basis of all growth in the biological world.

Year 10 Biology

Our Year 10 biologists have just finished learning about communicable diseases. They have learnt the details of key diseases, including symptoms and most importantly how they can be prevented. In this current climate, this topic is becoming increasingly more significant and is a crucial area within biology.

Our pupils will soon be moving on to preventing and treating diseases. In this topic, pupils will learn more details about the way that vaccines and antibiotics work. They will also carry out a fantastic practical looking at the effects of antibiotics on bacterial growth.

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Year 11 Biology

Our Year 11 biologists are performing incredibly well and are approaching the end of their course. They have just started learning about variation and inheritance, which explains all the amazing differences we see between us and every organism on Earth. They will soon be moving onto the fascinating topic of genetics and evolution. In this unit they will learn about the process which causes this amazing variation they have previously covered. They will learn about the theories of evolution and also the arguments for and against them. We will be focusing on exam technique and revision very shortly to ensure they are in the best possible form for their exams.

Year 12 Biology

Our Year 12 biologists are continuing to approach the course with an incredible level of drive and maturity. They have just finished learning about cells and biological molecules. These two topics underpin every other topic they will be moving on to and are the foundations of their course. Unlike in their GCSE classes, they are now conducting practicals completely independently, having to plan them, carry them out and gather results with very little instruction. This process will help them greatly with their future university courses. They will soon be moving on to the amazing topic of protein synthesis, which explains how everything in the biological world is coded for by the molecule DNA.

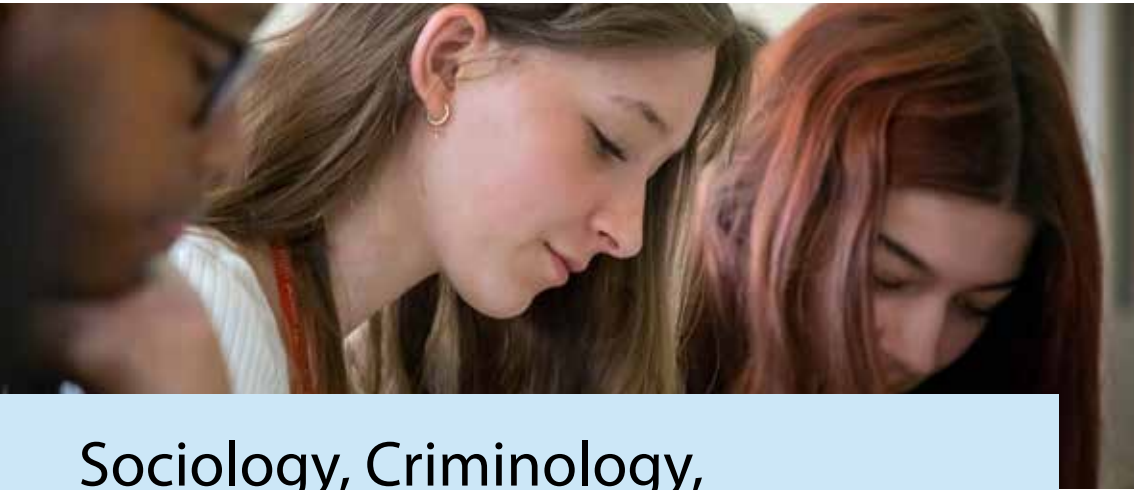
Year 13 Biology

Our Year 13 biologist are continuing to show incredible focus and motivation as they are approach the end of the content in their course. They are currently learning about gene expression and have discovered how different genes can either be suppressed or expressed. They will soon be learning how this links to cancer and its treatment. They will soon be moving onto their final unit which focuses on gene technology. Here they will learn about the

fascinating and rapidly evolving area of gene testing and gene therapy, which in the future may well provide the treatments for some of the most common genetic disorders among humans.



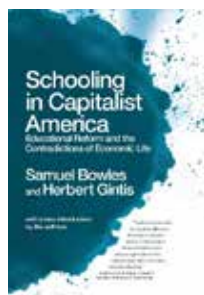
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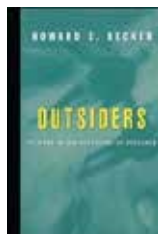
Sociology

Year 9 Sociology students have made an excellent start to their Sociology GCSE course. Students have been working on sociological key concepts such as socialisation and gender. The students are currently writing articles based on feral children and working on a gender socialisation project to analyse examples and consequences of gender socialisation. This half term, students will be studying sociological theory. Students will be introduced to the theories of Marxism, Feminism, Interactionism, the New Right and Functionalism and will need to apply theories to the key concepts they learnt last half term.



Year 10 Sociology Students have been studying the topic of Education, considering the role and functions of education in society. They are now moving onto considering the social factors affecting educational achievement. Students will be studying classic case studies investigating the impact of gender, social class and ethnicity on achievement.

Year 11 Sociology students have been working on their final unit of Crime and Deviance, with a particular focus on theories and explanations of criminality and deviance.



Year 12 Sociology students have made a fantastic start to the A Level course. Students have been studying different theories, including Marxism, Feminism, Functionalism and Postmodernism. In their Education unit, students have been exploring the role and function of education in society.

Year 13 Sociology students have been studying the relationship between ownership and control of the media. Students have enjoyed exploring case studies on media mogul, Rupert Murdoch and debating the extent to which audiences have a real insight into what is going on in the news. In their crime unit of work, students have been working on sociological explanations of crime from Marxist and Functionalist perspectives.



Sociology Department – Black History Month
Una Marson: First black producer at the BBC

Context

- Poet, dramatist, and broadcaster Una Marson made history by becoming the first black woman to be employed by the BBC.
- Born in Jamaica, Marson moved to the UK in the early 1930s and took up her first position at the BBC as a programme assistant in March 1941.

Achievement

- At the BBC, Marson worked alongside writers TS Eliot and George Orwell before establishing her own weekly feature within the Calling the West Indies radio programme, called Caribbean Voices.
- She went on to become the first black producer at the BBC.



FIND OUT MORE

"She was a real pioneer in giving voice to black women's experience, as well as generously creating a platform for other contemporary black voices," historian Robert Seatter says.

B: M2023
 Celebrating Our Heritage

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Criminology

Year 12 Criminology Students have made a great start to the Criminology course. Students have been working on analysis of different types of crime, such as white-collar crime, organised crime and hate crime. They have started to consider the reasons that certain crimes are unreported. Additionally, students have been exploring specific examples of how different forms of media are used to portray fictional and factual representations of crime.



Year 13 students have been working on the personnel and techniques involved in criminal investigations. Students have gained an understanding of the range of investigative techniques and have assessed their usefulness in a range of different types of criminal investigations, considering situations and types of crime. They have enjoyed studying the work of forensic specialists and the Crown Prosecution Service.

Criminology Department – Black History Month

Doreen Lawrence : Institutional racism

Context

- In 1993, Doreen's son Stephen was murdered in a racist attack in South East London.
- Following Stephen's death, Doreen campaigned tirelessly for justice for her son and for other victims of racist crime.

Achievement

- She has worked to bring about reforms in the police service and founded the Stephen Lawrence Charitable Trust.
- She was appointed OBE for services to community relations in 2003 and was created a Life Peer in 2013.

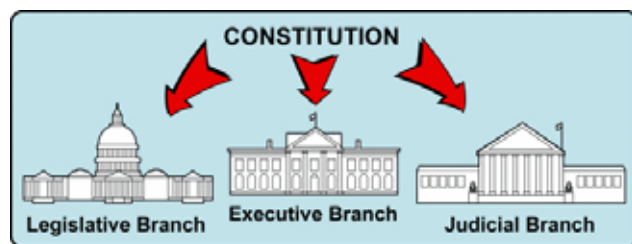
FIND OUT MORE
In 1998 she set up the Stephen Lawrence Charitable Trust, which supports young people in their schools and communities, helping them to overcome disadvantage and discrimination.

B:M2023
BLACK HISTORY MONTH
EVALUATING OUR BELIEFS

Politics

Year 12 Politics students have made a fantastic start to their A Level Politics course. Students have studied the topic of democracy and participation, gaining an awareness of the development of democracy in the UK, from the Great Reform Act onwards; in order to understand how the right to vote has changed over time. They completed work on assessing the various methods available to citizens to participate in the democratic process. Their second topic of the UK Constitution, considering the extent to which the Constitution has been transformed and whether a codified constitution is necessary.

Year 13 Politics students have made a great start on their study of US government and Politics. Students have been confident in making comparisons between the British and American political systems. In their unit on Congress, students have focused on how effectively congress performs its role of legislation. Alongside this, they are studying the constitutional principles of separation of powers, checks and balances and federalism and how they underpin the US political system.



Politics Department – Black History Month

bell hooks: Intersectionality

Context

- The first thing to note about bell hooks is the absence of capital letters! bell hooks was the pen name for the feminist author and activist born Gloria Watkins
- bell hooks considered the historical impact of sexism and racism on black women. Her work therefore provides an insight that is otherwise lacking amongst liberal feminists with its white, middle-class and college-educated bias.

Achievement

- Her work focused upon the intersectionality of race, capitalism and gender.
- She targeted the classroom as a source of both constraint and potential liberation.

FIND OUT MORE
Feminism is "a movement to end sexism, sexist exploitation and oppression."

B:M2023
BLACK HISTORY MONTH
EVALUATING OUR BELIEFS

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Uniform

Second hand uniform Scheme

Is your uniform a bit of a misfit?

Do you no longer need it or do you need an upgrade?

Why not donate it back to school where it can help to **reduce, re-use and recycle**?

How do I donate second hand uniform?

Please follow the guidelines below:

- All items **MUST** be washed at 60 degrees and bagged up.
- Please itemise everything in your donation bag by type, size and quantity.
- Please attach this list to the outside of the bag.
- Please deliver your uniform donations to reception or send in with your child to pass to their Head of Year.

Uniform that is in lost property and is unnamed and unclaimed by the end of the academic year will be considered second hand uniform.

Purchasing School Uniform

New items can be purchased from our official supplier below:

Schoolwear Inc Ltd

198 - 202 Cheam Common Road
Worcester Park
Surrey
KT4 8QJ

www.schoolwearinc.co.uk

T: 020 3051 7488

Alternatively, why not consider second hand? All items in our Uniformd shop are £5.

Purchase second hand uniform from our Uniformd shop, here:

www.uniformd.co.uk/carshaltonhigh

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