

Year 8 Stretch, Challenge & Extension Work

Subject	Extension Opportunity
English	<p>Book boxes are in every classroom with a wide range of challenging texts. In the box are also several extension tasks that can be chosen by students when they have finished a task. Individual teachers run 'reading challenges' where students are encouraged to read the sequels of the class reader. The librarian oversees 3 reading groups including the Carnegie Shadowing Award. Students are continuing to fill out their reader's passports during scheduled library lessons in which they can ask for recommendations from both their teacher and the librarian. Finally any creative writing that students wish to see published should contact Ms Contini so that it can be included in the School Magazine, and contact Chloe Adebiyi (adebiyi_c@bexleygs.co.uk) about joining her Poetry Writing Club and Junior Book Club (an informal reading group).</p>
Mathematics	<p>The UK Junior maths challenge are an excellent source of problem solving questions. This is what maths is all about! Click on the link to get access to all the past papers. You will get an opportunity to take part in the maths challenge when you are in year 8. Good luck</p> <p>UK Junior maths challenge questions</p>
Science	<p>BBC bitesize KS3 and the relevant KS4 sites.</p> <p>Badger tasks (formative assessment tasks), which can be accessed by the teacher, are on a wide variety of different topic areas in Biology, Chemistry and Physics. Identify a subject area of interest and we will select a task for you. These are graded tasks which provide guidance as to how to achieve the next grade up (all the way up to grade 9).</p> <p>A STEM Club is run on Mondays; a chance to use scientific ideas to solve real life problems.</p> <p>A Science club will run every two weeks (Week A) for year 7.</p> <p>An Advanced Science club will run every two weeks (week B) for year 8 &9. Students are encouraged to attend, and conduct practical activities to enhance their understanding of topics outside of the curriculum.</p>
MFL	<p><i>Expand your knowledge of useful vocabulary and structures with our tailored online Memrise courses:</i></p> <p>German https://www.memrise.com/course/1811200/useful-tense-phrases-gcse/ French (Levels 1-26) https://www.memrise.com/course/1582260/new-gcse-french/ Spanish (Levels 1-25) https://www.memrise.com/course/1580290/new-gcse-spanish/ Italian (Levels 1-18) https://www.memrise.com/course/1490478/new-gcse-italian/</p> <p>We are also big fans of you watching your favourite Netflix shows in TL to expose yourself to more language!</p> <p>We have a variety of Cartoons/Films in TL on DVD, as well as children's books which are available for loan if you visit the Office.</p>

<p>Geography</p>	<p>Students should use the National Geographic website to explore, find and read articles on aspects of the units we have / will be studying this year. This is an excellent starting point for current issues and some high level reading/ideas. Please see the web link below and the topic list.</p> <p>https://www.nationalgeographic.com/</p> <p>Globalisation Oceans on the Edge Africa (challenges and opportunities) Pole to Pole (Antarctica to the South Pole) Global health and disease</p> <p>Students who wish to write and submit a short 'Geography in the news' article on any of these topics or another Geography related topic close to their hearts should email this to Sam Gee our Yr 12 Geo rep for the School Magazine using 14gee_s@bexleygs.co.uk.</p> <p>Marvelous Mondays - join the KS3 Geography club on Monday 3-4pm in M19</p>
<p>History</p>	<p>Ask your teacher for some advice on what you could do to read around the subject. Visit the library to find additional reading material. Subscribe to the BBC History magazine. Watch Horrible Histories on YouTube. Watch relevant documentaries and programmes on the BBC iPlayer, 4oD, Yesterday or the History Channel. There are many useful websites to explore including BBC History and The History Learning Site.</p>
<p>Latin</p>	<p>Creating your own memrise/flashcards for the vocab is a great way of learning the words, especially English into Latin to really test yourself. Think up derivations to help you. https://www.etymonline.com/ is a great site for this.</p> <p>This creatively named website has grammar tables galore to keep on top of and test yourself: http://latintests.net/</p> <p>Go back over any past translations to check you understand how it all fits together. There may be some unfinished stories you can finish off. Check that your translations "flow".</p> <p>Read any/all fiction books that relate to the subject (see teachers for recommendations, or ask Mrs Carey in the Library).</p>
<p>Art</p>	<p>The Story of Art by professor E.H. Gombrich Street Art Cookbook by Benke Carlsson & Louie Hop</p>
<p>DT</p>	<p>Useful website = www.technologystudent.com - This site includes mini design projects and video guidance. Students can also extend their learning and practice of CAD using the free online version of Sketch-Up to design ranges of products, buildings, working models. They can extend their workshop experience in after school clubs on Wednesdays in H3 and they can develop their cooking skills by</p>

	<p>entering house competitions and by repeating and developing school taught recipes at home with supervision.</p>
<p>Music</p>	<p><u>Practical Music</u></p> <ul style="list-style-type: none"> • Come and take part in the numerous music department clubs and groups we have on offer! Also, think about the school music production, taking place every year at the beginning of July! • Why not also think about applying for music lessons on an instrument you've been itching to learn? You can also complete further exams in your instrument, with Grades 6, 7 and 8 also giving you UCAS points. Apply here! • Download 'MuseScore' - a free music notation programme, like our Sibelius programmes at school. Compose your own piece of music, listening to other pieces you are inspired by. Check out https://www.hooktheory.com/hookpad to get you started on your next song! • Do lots of listening and ask yourself HOW the composer as achieved a certain effect. YouTube it! Create a list of videos that inspire you. <p><u>Music Theory and Knowledge</u></p> <ul style="list-style-type: none"> • https://www.teoria.com/ - an excellent website that teaches you the fundamentals of music theory!! • The BBC GCSE Music website is a great resource to develop a deeper understanding of musical styles and comes with excerpts that you can listen to. https://www.bbc.com/bitesize/topics/ztyb87h <p><u>Music Technology</u></p> <ul style="list-style-type: none"> • https://learningmusic.ableton.com/ - an introduction to music technology, guiding you through the elements of music and how they are applied to dance and electronic music. A brilliant interactive website, where you can make your own music!
<p>Drama</p>	<p>Audition for a school play- there is a KS3 only Shakespeare play auditioning in January to be performed at the end of April. This will also help with your English literature.</p> <p>Alternatively, you could become a technician and help with lighting or sound design.</p> <p>There is a Drama club every Friday, which will give you extra skills and chances to perform outside of lessons.</p> <p>Join a local youth theatre group- Bob Hope Theatre (http://www.bobhopetheatre.co.uk/newstagers.html), Stagecoach (https://www.stagecoach.co.uk/), Pauline Quirke Academy (https://www.pqacademy.com/) and (especially, though it is expensive) Rose Bruford theatre (https://www.bruford.ac.uk/courses/bruford-youth-theatre/)</p> <p>There is a lot of excellent theatre online- our youtube channel;</p>

	<p>www.youtube.com/bgsdrama has all of our excellent exam plays, and I have 'liked' a lot of other fantastic theatre videos and made playlists for a variety of technical roles.</p> <p>If you watch any theatre videos online, you can try to copy their techniques in your own plays.</p>
FBCS	<p>Watch the news and engage in current affairs which link to the topics we are studying and help you gain a better understanding of the issues.</p> <p>Use websites such as Amnesty International and Human Rights Watch to expand your knowledge of human rights violations around the world and how you can get involved in campaigning.</p> <p>Some suggested readings for you:</p> <p><i>I am Malala. The Girl Who Stood Up for Education and Was Shot by the Taliban</i>, by Malala Yousafzai</p> <p><i>How not to be a boy</i>, by Robert Webb</p> <p><i>Migrant: The Journey of a Mexican Worker</i>, by José Manuel Mateo</p> <p><i>Bloody Foreigners: The Story of Immigration to Britain</i>, by Robert Winder</p> <p><i>Pigeon English</i>, by Stephen Kelman</p> <p><i>Illegal: A Graphic Novel Telling One Boy's Epic Journey to Europe</i>, by Andrew Donkin and Eoin Colfer</p> <p>Any Planet Earth/Blue Planet documentary</p> <p>Any of these books recommended by Stonewall: https://www.stonewall.org.uk/sites/default/files/reading_list_secondary_lo_res_final_v2.pdf</p>
Computer Science	<ul style="list-style-type: none"> ● Bebras practice challenges improve logical thinking - https://challenge.bebas.uk (TCS practice challenges are more advanced - https://challenge.tcsocc.uk/) ● Cyber Discovery challenge to practice programming and solve problems - https://www.joincyberdiscovery.com/ ● Learn to program in a different language - <ul style="list-style-type: none"> ○ https://www.sololearn.com/ ○ https://www.codecademy.com/ ● Practice your programming skills by solving challenges set by others - https://coderbyte.com/challenges