



7 November 2025

Dear Parent/Carer

Remembrance Day – 11 November, Curriculum Bulletin – Term 2, Extra-Curricular Activities, Year 13 Parents' Evening, Phone at Student Reception, KS3 SEND Coffee Afternoon – Wednesday 12 November, Booster Term 2, Useful Dates for this Half Term

I hope that everyone enjoyed a restful half term. We were very busy here at the Academy with more building work completed and new phone lines installed. In addition, our new heating system seems to be going great guns which is most welcome given the time of the year. Please see below for some important updates:

Remembrance Day – 11 November

The Academy will hold its remembrance assembly and cadet/service flag ceremony on 11 November from 10:45am. The assembly is for serving cadets and service students in the main hall. Subject to receiving permission from their commanding officers, all cadets may attend the Academy in their full uniform for participation in the remembrance events. If any cadet requires a formal email for their CO requesting permission, I am happy for them to come and see me and we will action that immediately.

Curriculum Bulletin – Term 2

Please find attached the latest edition of the Curriculum Bulletin for Term 2.

Extra-Curricular Activities

We have updated our available clubs and activities for this term. Please use this link to access the latest timetables: [Extra Curricular Clubs & Activities | Sir Robert Pattinson Academy \(srpa.co.uk\)](https://www.srpa.co.uk/Extra-Curricular-Clubs-&Activities).

Year 13 Parents' Evening – Wednesday 19 November

On Wednesday 19 November is Year 13 Parents' evening. This will be an opportunity for you to meet with your child's teachers and discuss their progress during their final year in Sixth Form.

Further details regarding booking to follow on Monday 10 November.

Phone at Student Reception

As the Academy has grown again, it is clear that our arrangements at student reception for students to call home required some improvement. To this end, students will not be able to use their mobile phones in the reception corridor from Monday. Despite their best efforts, this often blocks the corridor to the canteen and is making access at break times more awkward.

We have a new phone available at student reception for student usage, supervised by a member of staff. They just need to queue in the usual way.

KS3 SEND Coffee Afternoon – Wednesday 12 November

Mr Adlington and his team welcome parents and carers to the first SEND coffee afternoon of the academic year next Wednesday. This is always an informative and useful event. We hope to see many of you there from 2pm.

Booster Term 2

Thank you for the positive feedback regarding our new digital Booster system. Please may we remind you that each Booster window is now 5 weeks with a week in between to allow the team to analyse the data and decide on next steps. Those pupils on a Booster will restart on Monday 10 November. Please may you direct any questions to your child's R2L tutor in the first instance.

Useful Dates for this Half Term

The weeks up to the Christmas break are always some of the busiest with evening events and important dates to consider. I thought a reminder would be useful as we begin this half term:

- 12 November – KS3 SEND Coffee Afternoon
- 19 November – Year 13 Parents' Evening
- 26 November – Year 9 Parents' Evening
- 3 December – PD Day 2
- 4 December – Year 7 Disco
- 9 December – Year 10 Staying Safe Day
- 10 December – Year 11 Parents' Evening
- 17 December – Christmas Dinner
- 18 December – Academic Awards Evening

As I sat down to write to you this week, I reflected on how busy I have been since we returned from the break. It reminded me of the words of inventor Thomas Edison, who said "Being busy does not always mean real work. The object of all work is production or accomplishment and to either of these ends there must be forethought, system, planning, intelligence, and honest purpose, as well as perspiration."

This will be my motif until the Christmas holidays.

Have a good weekend when it comes.

I will write again soon.



Yours faithfully



Mr D Hardy
Headmaster



Sir Robert Pattinson Academy



Curriculum Bulletin

2025-26

Term 2

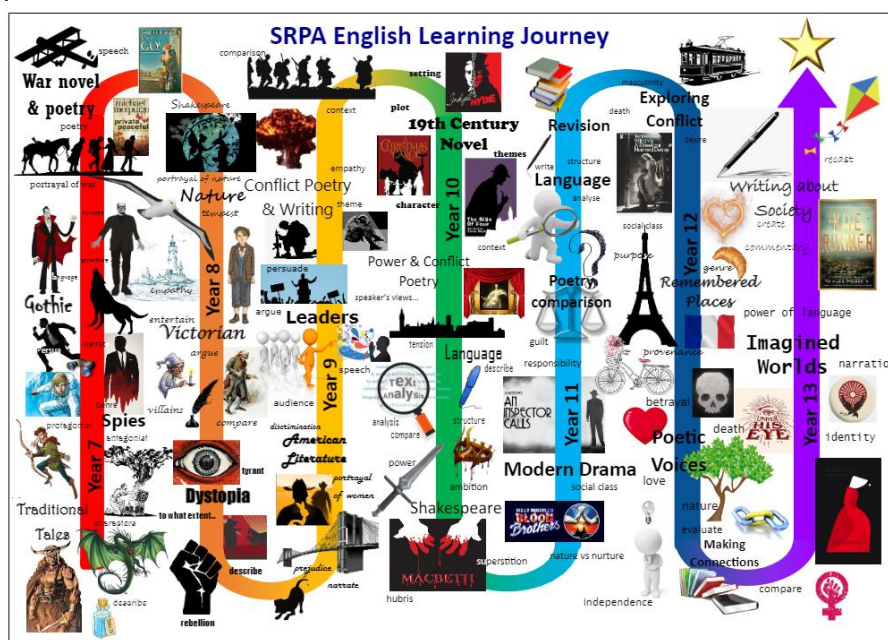
Monday 3 November 2025 to Friday 19 December 2025

Information for parents and carers

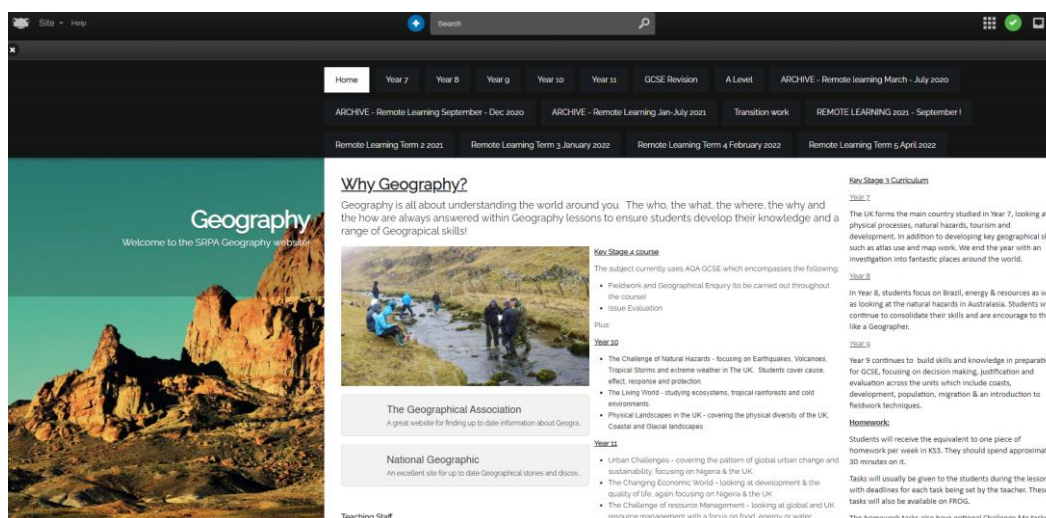
This document has been produced to give parents and carers a short summary of the topics and skills that students at Sir Robert Pattinson Academy will study during term 2 (Monday 3 November 2025 to Friday 19 December 2025).

If you wish to find out any further information, please refer to the following resources:

- **The Subject Curriculum area of the Sir Robert Pattinson Academy website**
<https://srpa.co.uk/our-curriculum/subject-curriculum/>
Here you will find detailed information regarding the curriculum coverage in each subject area, including a Learning Journey to outline students' progression during their time at Sir Robert Pattinson Academy:



- **Subject pages on Frog**
<https://vle.srpa.co.uk/>
Students can access these pages when they login to Frog. Here they will find additional resources and links to support them with their learning:



- **Online resources**

Students at Sir Robert Pattinson Academy have access to a wealth of high-quality online platforms to support independent learning, homework completion and to provide bespoke intervention. The table below provides a summary of each resource and gives details of login and password details, plus a named contact should additional support be required.

Resource	Details	How to access	Problem solving
Exampro Onscreen	Students have access to a range of examination questions to support learning and revision in science.	OSA Student (exampro.co.uk) Links have been shared by science teachers during lesson time. Centre number = 26148	Please contact your science teacher or Mis Burridge at EBurridge@srpa.co.uk
Frog	All subjects have a Frog page where additional resources and support can be located.	https://vle.srpa.co.uk/app/os Usernames and passwords have been shared with students via personal tutors.	There is a 'forgot password' link at the login page. Alternatively contact our IT support desk at ITSupport@srpa.co.uk
Go4Schools	Go4Schools provides students and parents with up-to-date information regarding attendance, behaviour and details of homework tasks set. It is also used to share progress reports at each tracking point. There is also a Go4Schools app that can be downloaded onto your smart phone (Android and iOS).	https://www.go4schools.com/ Parents – use the email address that you have provided SRPA as your contact information. Click on the 'first time user?' link when accessing Go4Schools for the first time.	There is a 'forgotten your password?' link at the login page. Alternatively contact Go4Schools@srpa.co.uk
Historical Association Student Zone	An online platform aimed at students from the Historical Association. It offers high-quality resources for history students from GCSE to postgraduate level. This includes; articles, copies of original source material, historical scholarship, careers guidance, and more.	https://www.history.org.uk/student Centre ID = 93839 Password = History123	Login details are displayed in History classrooms. Alternatively, contact Miss Allan at: CAllan@srpa.co.uk
Isaac Computer Science	Isaac Computer Science is an online all in one platform. It combines full learning resources for every topic at GCSE and A Level, alongside varied question levels to test students' understanding of different topic areas.	Isaac Computer Science Use your school email address and password to access this site.	There is a 'forgotten your password?' link at the login page. Alternatively contact Mr Smith at ASmith1@srpa.co.uk

Resource	Details	How to access	Problem solving
Languagenut	An online platform for French and Spanish from KS3 to A-Level, covering all of the exam skills of reading, listening, speaking and writing as well as vocabulary, grammar and sentence building. Teachers will set homework on Languagenut each week to help students to learn vocab for their next lesson as well as to enable students to consolidate what they have learned in lessons.	www.languagenut.com or download the free app. Students have been given their usernames and passwords. These should be written in planners and on termly learning logs.	French students please contact their teacher or Mrs Hughes at NHughes@srpa.co.uk Spanish students please contact their teacher or Mrs Rodgers at JRodgers@srpa.co.uk
Quizlet	Quizlet is an online platform designed to support the learning of vocabulary at Key Stage 4 in modern foreign languages.	https://quizlet.com/login Class teachers will send all students an invitation link containing the correct login details.	French students please contact their teacher or Mrs Hughes at NHughes@srpa.co.uk Spanish students please contact their teacher or Mrs Rodgers at JRodgers@srpa.co.uk
Reading Plus	This is a new resource being used to support the development of students' reading skills. It is being used in English and Performing Arts for homework for students in Year 7 to Year 9.	You will be given your username and password in your library lesson. If you are absent, please check your school email for your login details	Please contact your library class teacher or Mrs Murdoch at JMurdoch@srpa.co.uk
Sparx Maths	Sparx Maths supports students aged 11-16 with personalised, challenging and attainable homework.	https://sparxmaths.com/ Usernames and passwords have been shared with students via class teachers.	There is a 'forgotten Sparx login details?' link at the student login page. Alternatively, please contact your mathematics teacher or Mr Roberts at DRoberts@srpa.co.uk

Year 7 curriculum for term 2

Subject	Term 2 overview
English	This term in English we will be learning about a variety of traditional tales, from stories written in Old English such as Beowulf right the way up to modern tales such as The Hobbit and Harry Potter. Students will undertake creative writing and analyse how and why writers make authorial decisions.
Mathematics	<u>7R/Ma1 – 7R/Ma4 and 7P/Ma1 – 7P/Ma4</u> This term we will continue our topic on calculating by looking into dividing numbers and how to apply number skills with order of operations. We will then progress to investigate rounding to decimal places, significant figures and then estimating. Our final topic of the term will look at how we can use, order and convert between fractions and decimals to give us a more in depth understanding of the applications and how to use them. Students can use Sparx homework as a guide of what is being covered in a given week. Students can then complete the XP boost as well as any independent learning on that topic for some further practice. <u>7R/Ma5 and 7P/Ma5</u> This term we will continue our topic on measuring and drawing, looking at using rulers, protractors and compasses effectively. We will then move onto looking at formal methods to accurately multiply and divide numbers, before building onto problem solving and applying the skills we practice earlier in the unit. Just before Christmas we will finish looking at perimeter and area of 2D shapes, including continuing to build on basic numeracy skills required to access other areas of the curriculum. Students can use Sparx homework as a guide of what is being covered in a given week. Students can then complete the XP boost as well as any independent learning on that topic for some further practice.
Science	In science this term, we will be learning about all the systems in our bodies that allow us to move, breathe and digest food. We will also be looking at fundamental forces that allow us to push and pull things, learn about how gravity keeps us firmly rooted on Earth and why boats float, but rocks do not!
French	This term we will continue to learn a range of strategies which help us to learn a language and we will be putting these into practice by learning to talk about our families and pets, including descriptions and colours. We will also continue to practise French phonics in order to pronounce words correctly and we will learn more about the French-speaking world.
Geography	In this term, we are finishing off the first of five topics which we study in Year 7 geography on place and location knowledge. We will then start topic two which is titled ‘What skills do Geographers need?’ where we will focus on map skills needed to read and use both Ordnance Survey maps and atlases. Why not put an atlas on your Christmas list if you do not already have one.
History	In term 2, Year 7 will compare the different experiences of people living in Medieval England including Christians, Jews, men, women, peasants and plague sufferers. We will also continue to develop the important historical skills of source analysis and extended writing.
EFP	In term 2, Year 7 explore the religious beliefs and practices within Judaism. Students will examine the history of Judaism and explore what life is like for modern Jewish people living in the UK.
Computing	This term, Year 7 students will be continuing work on Topic 3: Media – Word Processing. During this topic, students will develop their understanding of information technology and digital literacy skills. They will use the skills

	learnt across the topic to create a blog post about a real-world cause that they would like to gain support for. They will develop software formatting skills and explore concerns surrounding the use of other people's work, including licensing and legal issues. Towards the end of term, they will be working on Topic 4: Media – Presentations where they will use a range of different skills across several software applications to create a poster and slides on a given theme.
Music	Students will continue to undertake performing, composing and listening activities to utilise and foster an understanding of different methods of notation used in music including: graphic scores, rhythm grids and traditional Western notation. This will be delivered in a practical manner, with the aim of students learning to read, perform from and successfully transcribe using the different notation styles.
Drama	Students will be learning all about the traditions of British Theatre through pantomime this term. Through focusing on how to create slapstick comedy to how to design a dame, students will be exploring theory and practical tasks based on a much-loved tradition.
Design & Technology	Term 2 will continue to develop students' confidence in planning, working with tools and materials safely. The projects will develop and widen the understanding of metals, polymers and timbers and their origin, and introduces material properties.
Food Technology	Students will be introduced to food preparation and nutrition in order to develop an understanding of health and safety/food safety. This term, students will develop awareness of foods and how they are produced, prepared and eaten in our day to day lives. Other skills to be developed will include how to use equipment safely, knife skills, evaluation skills and how to apply what we eat to the Eatwell Plate.
Art	Drawing, designing, analysing and exploring media set some of the foundations of developing as an artist and creative. Through this scheme of learning students will demonstrate the level of skill they have developed during primary education based around analysing and recreating others art, observational drawing, exploring colour and media and finally applying creative thinking to design outcomes.
PE	In PE activities covered will include: fitness, football, table tennis, badminton, handball and gymnastics.
Personal Development	Students will explore self-worth, romance and friendships (including online) and relationship boundaries. This includes: • how to develop self-worth and self-efficacy • about qualities and behaviours relating to different types of positive relationships • how to recognise unhealthy relationships • how to recognise and challenge media stereotypes • how to evaluate expectations for romantic relationships • about consent, and how to seek and assertively communicate consent

Year 8 curriculum for term 2

Subject	Term 2 overview
English	In term two, we will complete the study of a dystopian fiction text and respond to it in writing, using analytical and evaluative reading skills. We will use what we have learnt about the dystopian fiction genre to produce descriptive and narrative writing which matches the features of the genre.
Mathematics	<u>8R/Ma1 – 8R/Ma4 and 8P/Ma1-8P/Ma4</u> This term we will continue our topic on constructions by learning about bearings, using these to accurately locate objects or places, using back bearings to find a route to the other object and then completing scale drawings. We will then start a unit on probability, recapping the probability scale and finding probabilities of single outcomes before using sample spaces for multiple events, working with mutually exclusive outcomes and finishing with relative frequency. Our next topic of study will be based around algebraic proficiency, being able to collect like terms, expand and factorise expressions into a single bracket then moving on to using laws of indices algebraically and finishing with some work on rearranging formulae. Our final unit of study this term will be around equivalence, being able to convert confidently between fractions and decimals in a variety of contexts. Students can use Sparx homework as a guide of what is being covered in a given week. Students can then complete the XP boost as well as any independent learning on that topic for some further practice. <u>8R/Ma5, 8P/Ma5</u> We start this term with geometry, looking at 3D shapes in terms of faces, edges, and vertices. We consider the nets of basic 3D shapes and how we can use nets to calculate surface area. We then calculate volumes of prisms. The next unit is our first one on algebra. Basic notation, collecting like terms, and expanding are all studied. The final unit of this term is probability. We start with scales and the words we can use to describe the likelihood of events happening before using decimals, fractions and percentages to calculate exact probabilities. After looking at the differences between experimental and theoretical probabilities we round off the unit by listing the possible outcomes of different events. Students can use Sparx homework as a guide of what is being covered in a given week. Students can then complete the XP boost as well as any independent learning on that topic for some further practice.
Science	This term, we will be learning about healthy living, from healthy diets and the importance of good nutrition to the benefits of exercise for both physical and mental health and some dangers to a healthy lifestyle such as smoking and drinking alcohol. We will also be acting like food scientists by doing a practical that allows us to test for the presence of different nutrients such as starches and proteins. We then will move onto the physics of food, specifically about the energy in food and understanding food labels Once we have finished our electricity and magnetism topic, in chemistry, we will be learning about different techniques for separating different mixtures of substances, from filtration to distillation. A very practical heavy topic with lots of opportunities to apply your new knowledge.
Spanish	This term we will be covering the topic of daily routine, learning to talk about what we do in the morning and evening, as well as what we used to do and will or would do in the future. We will continue to work on our tenses and pronouns as we tackle this with the use of reflexive verbs in the first person alongside the imperfect and near future tenses. We will begin to look at the imperfect subjunctive with set “si” (if) phrases as well as the conditional future tense. In addition, we will continue to practise our Spanish phonics to be able to use correct pronunciation and will continue to learn about the Spanish-speaking world and its traditions.
French	This term we will continue to learn a range of strategies which help us to learn a language and we will be putting these into practice by learning to talk about our families and pets, including descriptions and colours. We will also continue to practise French phonics in order to pronounce words correctly and we will learn more about the French-speaking world.

Geography	In this term, we are finishing off the first of five topics which we study in Year 8 geography on weather. We will then start topic two which is titled 'How are global populations changing?' where we will focus on patterns of global population change, mapping and drawing graphs to show population, the consequences of a changing population, as well as migration.
History	In term 2, Year 8 will continue to investigate Britain's Empire and the impact it had on America and India, as well as the different ways the Empire changed life in Britain through the sharing of food, culture and migration. We will also continue to develop the important historical skills of writing a narrative account using extended writing.
EFP	In term 2, students explore the topic of Islam. Through looking at the question 'What does it mean to be Islamic in the UK?' we will explore Islamic practices, texts and holy places.
Computing	This term, Year 8 students will be finishing work on Topic 2: Programming – Intermediate. This topic builds on the approaches to problem solving learnt in Topic 1 and the block-based programming lessons from Year 7. Students will develop their programming skills using the Python higher-level programming language. Towards the end of term, students will begin work on Topic 3: Data representation – Alphanumeric which will introduce them to binary digits and how they can be used to represent text and numbers. The concepts are linked to practical applications and problems that they are familiar with.
Music	Students in Year 8 will continue the study of <i>Stand by Me</i> by Ben E. King. They will have the opportunity to use a range of instruments to learn and master the different parts within the song as well as working on their ensemble skills to create a performance of their own version of this enduring, much covered, classic.
Drama	This term Year 8 students will continue looking at the topic of comedy. They will begin with the history of different comedies, starting with silent films all the way to modern plays. This will challenge pupils to develop their skills and confidence needed to create comedic performances.
Design & Technology	Students will be set a fictional design, planning and manufacturing quality and unique products. The students' challenge will be to design and make a range of products. Students will be given materials which to cut out and shape using CAD/CAM. Pupils will also be introduced to the use of computer-aided design and computer-aided manufacture by using a laser cutter and 2D Techsoft design to draw and cut their pattern out.
Food Technology	Students will be introduced to food preparation and nutrition in order to develop an understanding of health and safety and food safety. This term, students will develop awareness of foods and how they are produced, prepared and eaten in our day to day lives. Other skills to be developed will include how to use equipment safely, knife skills, evaluation skills and how to apply what we eat to the Eatwell Plate.
Art	Accurate recording is an important skill to develop in preparation for GCSE Art. This project aims to build upon prior skills taught in Year 7. Students will develop their ability to look at a cylindrical form and record the ellipses accurately through a structured method of drawing. Andy Warhol's soup can will be the main theme, thus recapping contextual understanding from project 1. Students will learn the mono printing process and explore the need to record lettering in reverse. Students will explore the key areas for success and art specific terminology when experimenting with this process/method. Extension – students will be create a 2 colour way print.
PE	In PE activities covered will include: fitness, football, table tennis, badminton, netball handball and gymnastics.
Personal Development	This term year 8 personal development will focus on gender identity, sexual orientation, sexting and an introduction to contraception.

Year 9 curriculum for term 2

Subject	Term 2 overview
English	In term 2 we will complete the Unheard Voices unit by studying of the play Twelve Angry Men, which is set in a deliberating room as a jury try to come to a verdict. The play deals with issues around prejudice of all kinds, and students will use this information to explore ethical and moral issues.
Mathematics	<u>9R/Ma1 – 9R/Ma3 and 9P/Ma1 – 9P/Ma2</u> Our first topic this term will look at algebra and expanding binomials. This will build upon our algebraic work from previous years and topics. We will then further use this knowledge to equate coefficients and factorise binomials also. We will then study both direct and inverse proportion, as well as looking at how this information and questions can be presented graphically. After some revision for our end of term tests, our final topic of the term will focus on sequences. This will include recognising and generating sequences, as well as their nth term. Students can use Sparx homework as a guide of what is being covered in a given week. Students can then complete the XP boost as well as any independent learning on that topic for some further practice. <u>9R/Ma4 and 9P/Ma3</u> Our first topic this term we will look into using algebra. We will start by simplifying and collecting like terms before moving onto more advanced topics such as; expanding brackets, factorising, substitution and rearranging formulae. We will then move onto proportional reasoning, where we will look at in context problems (such as recipes), direct proportion including graphical representations, similar shapes, speed/distance/time problems and distance/time graphs. We will then return to look into more algebra with expanding two binomials, factorising binomials and creating expressions. Students can use Sparx homework as a guide of what is being covered in a given week. Students can then complete the XP boost as well as any independent learning on that topic for some further practice. <u>9P/Ma5</u> This term, students will explore a blend of algebra, probability, and rounding, building on key skills from Year 8. In algebra, we'll revisit notation and expanding brackets before progressing to more complex expressions that combine expanding and simplifying. These skills will be applied to problem-solving tasks involving shape properties like area and perimeter. In probability, learners will deepen their understanding of probability scales, totals summing to one, and relative likelihood, tackling more challenging and contextual questions. Finally, we'll refine rounding techniques with a focus on significant figures and use these to estimate calculations and approach exam-style problems with confidence. Students can use Sparx homework as a guide of what is being covered in a given week. Students can then complete the XP boost as well as any independent learning on that topic for some further practice.
Science	A physics focused term this time! Students will be continuing to learn about different energy stores and transfers. We will be covering the conservation of energy and how it applies to our everyday lives. We will then go onto calculating different energy stores and doing some practical science to put it all into practice. We will then move onto looking at atoms, atomic structure (proton, neutrons and electrons) and why the periodic table is arranged like it is. Alongside this, we will be looking at forces and how they cause things to move. We will look at how we can graph motion with distance-time graphs and what acceleration is and how we can calculate it.
Spanish	This term we will be covering the topic of daily routine, learning to talk about what we do in the morning and evening, as well as what we used to do and will or would do in the future. We will continue to work on our tenses and pronouns as we tackle this with the use of reflexive verbs in the first person alongside the imperfect and near future tenses. We will begin to look at the imperfect subjunctive with set "si" (if) phrases as well as the conditional future tense. In addition, we will continue to practise our Spanish phonics to be able to use correct pronunciation and will continue to learn about the Spanish-speaking world and its traditions.

French	This term we will be covering the topic of jobs and future plans learning to talk about what we jobs we would like to apply for and what we would like to do in the future. We will continue our work on past (both perfect and imperfect), present and future tenses, and will begin to look at direct object pronouns to increase the fluency of our sentences, as well as other complex structures. In addition, we will continue to practise our French phonics in order to be able to use correct pronunciation and will continue to learn about the French-speaking world and its traditions.
Geography	In this term, we are finishing off the first of five topics which we study in Year 9 geography called 'Are humans to blame for climate change?' We will then start topic two which is titled 'What are tectonic hazards?' where we will explore the causes of different tectonic hazards, as well as investigating the effects of earthquakes, volcanic eruptions and supervolcanoes. Before looking at why people live in dangerous areas and how we can reduce the impacts of these hazards.
History	In term 2, Year 9 will investigate life in the post-World War One world by comparing the political, economic and social experiences of the USSR and USA in the 1920s and 1930s. Students will also consider the terms and impact of the Treaty of Versailles which was intended to create peace after World War One. We will also continue to develop the important historical skill of explaining change and continuity using extended writing.
EFP	In this term we are focusing on the idea of ethical dilemmas, exploring psychological dilemmas and moral decisions. Pupils will explore studies, research and concepts to create their own ethical code of practice and discuss why we have such strict ethical guidelines in studying humans today.
Computing	This term, Year 9 students will be working on Topic 2: Media – Animation. They will discover how professionals create 3D animations using the industry-standard software package, Blender. By completing this topic, they will gain a greater understanding of how this important creative field is used to make the media products that we consume. Towards the end of the term, students will begin work on Topic 3: Data science where they will learn how to use data to investigate problems and make changes to the world around them.
Music	Year 9 will continue creating the soundtrack to a given movie trailer. They will be responsible for all audio aspects of the trailer including the music, sound effects and voice-over. Their finished trailer will aim to retain the feel of the original whilst allowing scope for creativity and originality.
Drama	Students will continue their study of the play DNA by Dennis Kelly, alongside their exploration of the practitioner Stanislavski. This focuses on developing skills in realism; understanding terms such as given circumstances, objectives and dynamics.
Design & Technology	In term 2 students will be introduced to mechanical motions and movements to enable them to understand how energy can be transferred before manufacturing a mechanical litter picker.
Food Technology	Students will be introduced to food preparation and nutrition in order to develop an understanding of health and safety/food safety. This term, students will develop awareness of foods and how they are produced, prepared and eaten in our day-to-day lives. Other skills to be developed will include how to use equipment safely, knife skills, evaluation skills and how to apply what we eat to the Eatwell Plate.
Art	The basis of art relies on an ability to explore varied media using a multitude of techniques. Through studying different media influenced by different food and drink artists, students can expand their art and media knowledge whilst developing techniques in a topic that is relatable, stimulating and relevant to the consistently adapting world. Students can complete work from their own resources and lessons are adaptable to suit all of the students' needs.
PE	In PE activities covered will include: fitness, football, table tennis, badminton, handball, rugby and gymnastics.
Personal Development	This term Year 9 will learn about intimate relationships. This will include relationship and sex education including consent, contraception, risks of STIs and pornography.

Year 10 curriculum for term 2

Subject	Term 2 overview
English	In term two we will finish our study of the 19th century prose text (either <i>A Christmas Carol</i> or <i>Jekyll and Hyde</i>). In addition, we will continue to develop the reading and writing skills required for English Language paper 1, reading a wide variety of fiction extracts and completing reading analysis, then using these extracts to influence our own descriptive and creative writing efforts.
Mathematics	<u>10R/Ma1, 10R/Ma2, 10P/Ma1</u> Term 2 begins by looking at analysing statistics where we will construct and interpret box plots. We will then study proportional reasoning where we look at direct and inverse proportion algebraically and apply this onto our compound measures of speed distance time, and Density and pressure. We will then continue analysing statistics, starting with recapping our understanding of grouped data, before looking at cumulative frequency diagrams and strengthen our understanding of histograms. We will finish the term by applying our knowledge of surds to expand brackets, before factorising quadratic equations and using algebraic fractions. Students can use Sparx homework as a guide of what is being covered in a given week. Students can then complete the XP boost as well as any independent learning on that topic for some further practice. <u>10R/Ma3</u> Term 2 begins by looking at working with fractions, including simplifying, adding, subtracting, multiplying and dividing. We then move onto covering both ratio and percentages, focusing on key skills looked at in previous years while building up to exam style and problem-solving questions on these topics. We will then finish the term before Christmas looking at probability, this will include looking at listing outcomes, frequency trees and two-way tables. Students can use Sparx homework as a guide of what is being covered in a given week. Students can then complete the XP boost as well as any independent learning on that topic for some further practice. <u>10R/Ma4, 10P/Ma2 and 10P/Ma3</u> Term 2 begins by looking at indices, the laws that we can use to manipulate numbers in index form. We then study standard form numbers, how we can carry out different number operations and convert between standard form and ordinary numbers. The next unit focusses on algebra, as we learn to simplify and expand different expressions. This includes both single bracket expressions and double brackets. The final unit of the term focusses on probability. After recapping prior knowledge of probability, we focus on listing different outcomes and using frequency trees and tree diagrams to identify probabilities. Students can use Sparx homework as a guide of what is being covered in a given week. Students can then complete the XP boost as well as any independent learning on that topic for some further practice. <u>10R/Ma5 and 10P/Ma4</u> This term we will begin by developing our rounding skills for integers, decimals and significant figures. We will then use rounded values to estimate the answers to calculations. Next, we will calculate with powers and roots, then apply laws of indices to rewrite powers in the simplest form. Our third topic is algebra; we will learn to collect like terms to simplify expressions, expand single brackets, then how to combine both skills. After our Christmas Assessment, we will study probability, list outcomes of experiments or trials and writing the chance of each outcome occurring. We will present information in frequency trees and two-way tables and use these to work out probabilities of events, too. Students can use Sparx homework as a guide of what is being covered in a given week. Students can then complete the XP boost as well as any independent learning on that topic for some further practice.

Science	<u>Separate Science</u> Biology: We will be looking at how plants and animals are organised into hierarchies, from cells to organisms. We will look at how gasses like oxygen and carbon dioxide move in and out of the body and how we breathe. Chemistry: We will be continuing our journey through the atom, learning about how different elements have different electron configurations and how these different atoms bond together, from ionic bonding to covalent and metallic bonding. Physics: Once the energy topic is complete, we will be moving onto electricity. How circuits are constructed, how current flows through the circuit and what resistance and potential difference are. There will be lots of opportunity to enhance your working scientifically skills during the required practicals. <u>Combined Science</u> This term, we are looking at lifestyles and disease, the risk factors that can lead to them and the difference between communicable and non-communicable diseases. With some examples of each to really build understanding. Alongside this, we will be learning about body systems, how the heart works and how to keep it healthy, what respiration is and why sometimes you get stitches while exercising.
Media	This term we will continue learning about the television media form by exploring media language, representations, audience responses and industry decisions in an episode of <i>His Dark Materials</i> . We will draw on knowledge from last term when we analysed the first episode of <i>Doctor Who</i> and draw comparisons between the two programmes.
Business Studies (GCSE)	This term students will study Section 1.2 – Spotting a business opportunity. Students will learn how to understand and meet customer needs, conduct market research, and use market segmentation to target the right audience. Students will also examine the competitive environment, analysing how businesses respond to rivals and adapt to market conditions. This section helps students think like entrepreneurs spotting gaps in the market and making informed decisions to start or grow a business.
Business Studies (BTEC)	This term students will finish covering the theory part of Component 2 – Planning and presenting a micro-enterprise idea. They will then begin work on their first Pearson Set Assignment (PSA). Students will have a mixture of monitored preparation time and supervised work to develop two micro-enterprise ideas, before choosing the most viable idea and then creating a formal report to explain why this idea has been chosen. Students will then complete a business plan for the chosen micro-enterprise using a template document provided by the examining board.
Computer Science	This term students will follow on from their understanding of how a computer works then applying how the computer uses numbers through the binary number system and hexadecimal number systems for day to day activities, along with how text is represented in ASCII and Unicode and furthering their knowledge from Key Stage 3 with how their computer system creates images and sound alongside furthering the development of python as a programming language exploring iteration using while and for loops.
Drama	Students will focus on their examination text 'Curious Incident of the Dog in the Night-time', exploring practically through the lens of practitioner Frantic Assembly. They will also be completing their coursework based on the themes and development of the professional production.
Music	Having been introduced to baroque music in the form of JS Bach's Badinerie in term 1 and completing their first compositions and performances, Year 10 students will be moving onto popular music in Term 2. They will be revisiting Blues music, studying rock and pop styles and students will be introduced to their second set work – 'Toto' by Africa.
Health & Social Care	This term we will be looking at legislation in health and social care. How and why laws and policies are created that challenge individuals and require specific careers, learning and practices to take place.
Geography	In term two we are now at the end of the tectonic hazards part of the course and we are progressing onto weather hazards and climate change which will finish the first large module, the challenge of natural hazards. Here we explore global atmospheric circulations, causes of extreme weather and look at examples of tropical storms around the world before finishing off the topic with the causes, effects and responses to climate change.

History	In term 2, Year 10 are continuing their GCSE journey with the Medicine in Britain topic. Students will consider medicine in both the Scientific Revolution and the modern period, before looking at a case study of medicine on the Western Front. There will be regular revision opportunities set as homework to ensure that Year 10 are continuing to consolidate their knowledge.
Religious Studies	In term 2, Year 10 continue to study Christian beliefs, focusing particularly on the life of Jesus Christ. This will then lead on to Christian practices where students will explore worship, celebrations and ceremonies. Exam skills and questions will be embedded throughout, developing, and strengthening their written skills in GCSE RS.
Sociology	This term we are focusing on research methods. This means we will be looking at how sociologists research things and why some research methods produce more reliable data than others.
Psychology	This term we will be finishing our first topic of Memory, and then moving onto our second topic of Perception. Throughout this, we will be looking at research methods to support our understanding of practical experiments. All lessons are available via Frog/Subject/Sites/Psychology/KS4
French	This term we will be covering the topic of family and friends, including role models, hobbies and weekend activities. We will be focusing on deepening our knowledge of adjectival use and negatives as well as consolidating our knowledge of the main three tenses. We will begin to look at imperfect tense and will continue to look at some complex structures. We will ensure that our knowledge of key phonics is embedded and we will further our knowledge of Francophone culture.
Spanish	This term we will be covering the topic of holidays, including destinations, accommodation, transport and holiday activities. We will be focusing on deepening our knowledge of adjectival use and negatives as well as consolidating our knowledge of the main three tenses. We will begin to look at conditional tense and will continue to look at some complex structures. We will ensure that our knowledge of key phonics is embedded and we will further our knowledge of the Hispanic world.
Core PE	In PE activities covered will include: badminton, basketball, fitness, football and rugby.
GCSE PE	In GCSE PE theory lessons, students will be studying unit 2. This focusses on Fitness and physical training. In practical GCSE PE lessons, students will study table tennis and handball.
Engineering Design	Students are developing their Level 1/2 OCR Engineering skills. They are now producing design ideas by using a range of methods to communicate their ideas, including sketching, annotating and using CAD.
Art	Students will continue to be exposed to a new range of media to develop their understanding of how different artist's work.
Photography	Students will be shown how to develop their understanding of taking photographs and developing their post shoot production methods.
Design & Technology	Students will quickly get their hands on materials to further develop their material and practical skills. Students will be casting products from pewter.
Hospitality and Catering	Students will be introduced to a range of new practical skills in the kitchen and start to learn the legislation associated with health and safety in the catering and hospitality industry.
Personal Development	This term students will be focusing on addressing radicalism and extremism and will learn how to respect the community around them and challenge extreme views.

Year 11 curriculum for term 2

Subject	Term 2 overview
English	In term two we will complete our work on poetry (unseen and anthology poetry) before beginning a full cycle of revision in preparation for our mock examinations in January. Focus will be placed on all aspects of the Literature and Language specifications, and students will be encouraged to revise plots, themes, characters, for Literature, and approaches to writing (creative and analytical) for Language.
Mathematics	<u>11R/Ma1 and 11P/Ma1</u> This term we will begin by working on graphing equations, recapping plotting quadratic and cubic graphs before moving on to more applied graphs such as speed-time graphs and graphs representing rates, in this unit we will look to deepen our understanding of drawing, interpreting and calculations we can carry out on the various graphs. We will then look at how we can work with circles algebraically, understanding the equation of a circle and then how we can algebraically represent parts such as chords and tangents. Our next unit of study brings together a lot of our previous algebraic skills into harder application problems, looking at quadratic inequalities as well as simultaneous equations where at least one equation is not linear. Our next unit of study will be looking at graphs and their transformations, beginning by looking at trigonometric graphs and their applications then looking at how we can manipulate an equation to cause a graph transformation including reflections, translations and stretches. Our final unit of study this term will be around using vectors to prove geometric properties, this will recap our work with column vectors before looking at examples where specific values are not given. Students can use Sparx homework as a guide of what is being covered in a given week. Students can then complete the XP boost as well as any independent learning on that topic for some further practice. <u>11R/Ma2</u> This term we will begin by expanding triple brackets and factorising quadratics with a coefficient of x^2. We will also complete the square which is a special way of writing quadratics so that we can find turning points and roots and use the quadratic formula to solve any quadratic equation. We will then apply our understanding of trigonometry and Pythagoras to 3D problems. We will also use sine and cosine rule to find missing side lengths of non-right-angled triangles and use another formula for their area. Our next unit of study will be averages from frequency tables, finding mean, median, mode and range, then comparing sets of data. Finally, we will calculate the volume and surface areas of cylinders, cones, spheres and pyramids, and we will apply our knowledge of scale factors to calculate new areas and volumes. Students can use Sparx homework as a guide of what is being covered in a given week. Students can then complete the XP boost as well as any independent learning on that topic for some further practice. <u>11R/Ma3, 11P/Ma2 and 11P/Ma3</u> This term, we begin by developing our algebraic skills, first learning how to solve simultaneous equations by both graphical and algebraic methods. We then move on to review expanding and factorising quadratics which was previously learnt in Year 10, then extending our knowledge to solve quadratic equations. We will make connections between algebraic and graphical representations for solving equations. Our next unit focuses on statistics, reviewing previous knowledge about averages and range to analyse data given in frequency tables. Students can use Sparx homework as a guide of what is being covered in a given week. Students can then complete the XP boost as well as any independent learning on that topic for some further practice. <u>11R/Ma4 and 11P/Ma4</u> This half term we begin by, recapping our knowledge of the four operations with decimals and negative numbers, along with the correct order of operations and index laws. We then link our knowledge of index laws to standard form. We start with converting both large and small numbers into standard form and then from standard form into ordinary form. Once we are happy with that we will look at completing the

	four operations with number written in standard form, which brings us to the end of the unit. Then we start our next ratio unit. This begins with a recap of simplifying ratio and dividing into a ratio, leading us into recipes and proportion problems in real life terms, including work rate. The final unit of the term is on data. It starts off with understanding the different types of data and how it can be sorted using a tally chart into groups. We then will calculate the mean, median, mode and range of data from a list and in a table. This unit will continue after the Christmas break. Students can use Sparx homework as a guide of what is being covered in a given week. Students can then complete the XP boost as well as any independent learning on that topic for some further practice.
Science	<u>Separate Science</u> Biology: We will be looking at how animals reproduce, including meiosis, the process by which we produce gametes and genetics and inheritance. Chemistry: We will be looking into hydrocarbons, why they are essential to modern society and how we turn crude oil into all the different products we can get from it. Physics: In physics, we will finish off our forces topic by looking at stretching and elasticity as well as pressure and factors that affect pressure. <u>Combined Science</u> This term, we are looking at acids and alkalis, different ways to test the pH of a solution and how neutralisation reactions can form different salts. We will then move onto looking at the rate of chemical reactions, and how we can speed up or slow down chemical reactions. Alongside this, we will start to learn about forces and motion, how we can interpret distance-time graphs and velocity-time graphs, how to calculate acceleration, the difference between mass and weight and what terminal velocity is. We will continue to prepare for our mock one examinations as well.
Media	In term two, we will focus on the CSPs we have studied so far in Year 10 and 11. We will be completing the next focussed CSP on Black Widow and I, Daniel Blake with regard to marketing and production. We will also be spending time on the NEA and aiming to have drafts completed by Christmas. Intervention sessions will be running to support students in completing these.
Business Studies	This term students will be studying section 2.2 – Making Marketing Decisions. Students will learn how businesses manage the four elements of the <i>marketing mix</i> product, price, promotion, and place to compete effectively. They'll study concepts like the product life cycle, pricing strategies, advertising and promotional methods, and distribution channels. In Section 2.3 – Making Operational Decisions, students focus on how businesses ensure products are made and delivered efficiently. This includes understanding production methods, quality assurance, customer service, and working with suppliers.
Computer Science	This term students will finalise their learning of paper 2 exploring the programming fundamentals and features of an IDE. Once they have completed this topic, students will be returning to paper one teaching of systems architecture and operating systems with a focus on exam technique whilst revisiting the Year 10 topics.
Drama	Students will begin a series of workshops design to develop their knowledge of devising techniques and skills. They will also look at different practitioner theories and styles of theatre in preparation for their final examination, which is creating an original piece of devised work.
Geography	This term we are finishing off the changing economic world topic by focusing on the case studies of Nigeria and the UK. We will then move onto look at the final physical topic of rivers and coasts which will be complemented by the field work which took place in term 1.
History	In term 2, Year 11 will continue their study of superpower relations and the Cold War. They will be considering the Cold War crises and the later Cold War. Students will also move on to begin their study of 'Early Elizabethan England' which is the final topic of GCSE History. Focused revision continues to be set as homework. Revision sessions will be led by the department at lunchtimes and after school.
Religious Studies	In term 2, Year 11 move on to study Christian practices and build upon knowledge of Christianity in general. This term, students will study a range of practices within the Christian faith including ceremonies, celebrations and worship. Exam skills and questions will be embedded throughout, developing, and strengthening their written skills in GCSE RS.

Sociology	This term we are working on our crime and deviance module. We will be looking at the causes of crime in society as well as what is labelled as crime. We will then begin our social stratification module, this explores the way people are divided up in society looking at income, gender and ethnic background as well as exploring demographics. We will be expanding our knowledge of previous topics by practicing a range of 12-mark essays to help boost your exam success.
Psychology	This term, we will be focusing on the topic of language, communication and thought, investigating the development of human and animal communication, as well as its function and purpose. We will also be practising exam style questions on previous topics in order to prepare for mock examinations. All lessons are available via Frog/Subject Sites/Psychology/KS4/Language, Communication and Thought.
French	This term we will be covering the topic of environment, learning to talk about environmental problems and possible solutions, as well as what we can do to protect the environment. We will discover the French-speaking country of Madagascar and its unique ecology and we will look at ecological innovations. We will continue our work on a variety of tenses and complex structures, and will begin to look at the passive voice, as well as new complex structures. In addition, we will continue to practise our French phonics in order to be able to use correct pronunciation and will continue to learn about the French-speaking world and its traditions.
Spanish	This term we will be covering the topic of My Neighbourhood, including being able to describe our town as well as discovering more about Colombia and other Spanish speaking countries. We will continue our work on a variety of tenses and complex structures, and will begin to look at the perfect tense, as well as other new complex structures. In addition, we will continue to practise our Spanish phonics to be able to use correct pronunciation and will continue to learn about the Spanish-speaking world and its traditions.
Core PE	In PE activities covered will include: badminton, basketball, fitness, football and rugby.
GCSE PE	In GCSE PE theory lessons students will be studying Unit 5 – Sport psychology. In practical lessons they will focus on table tennis.
Engineering Design	Students will continue to work on Unit R040– planning and manufacturing a wooden garden lantern. By the end of term students will have planned and manufactured their prototype ready to test in the new year.
Art	Students will continue their NEA (coursework) unit. Individuals will be able to explore, create and take influence from work of others they find inspiring. At this stage of the coursework unit, students should have explored a range of influences and completed media experimentation pages alongside in-depth artist research.
Photography	Students will continue their NEA (coursework) unit. Individuals will be able to explore, create and take influence from work of others they find inspiring. At this stage of the coursework unit, students should have explored a range of influences and completed media experimentation pages alongside in-depth artist research.
Design & Technology	Students use a range of skill learnt though the scheme of learning Year 7-11 to produce an independent iterative design work. The evidence produced in Unit 2 is worth 50% of the final grade and situation problems are set by AQA. Students this term will work to develop their final idea in preparation to plan and manufacture their chosen design.
Hospitality and Catering	Students will be completing their NEA 1 (15% of final grade) scientific study by evaluating and concluding their findings of the effects of gluten in pastry. Students will then continue to develop their high-level preparation, cooking and presentation techniques and understanding the science and nutrition involved in creating well-balanced dishes and diets. This will then support their NEA 2 (35% of final grade) designing and developing a new dish.
Personal Development	This term students will focus on different families, relationships, parental responsibilities, pregnancy, marriage and forced marriage.