Sir Robert Pattinson Academy

Curriculum Bulletin

2026-27

Term 2

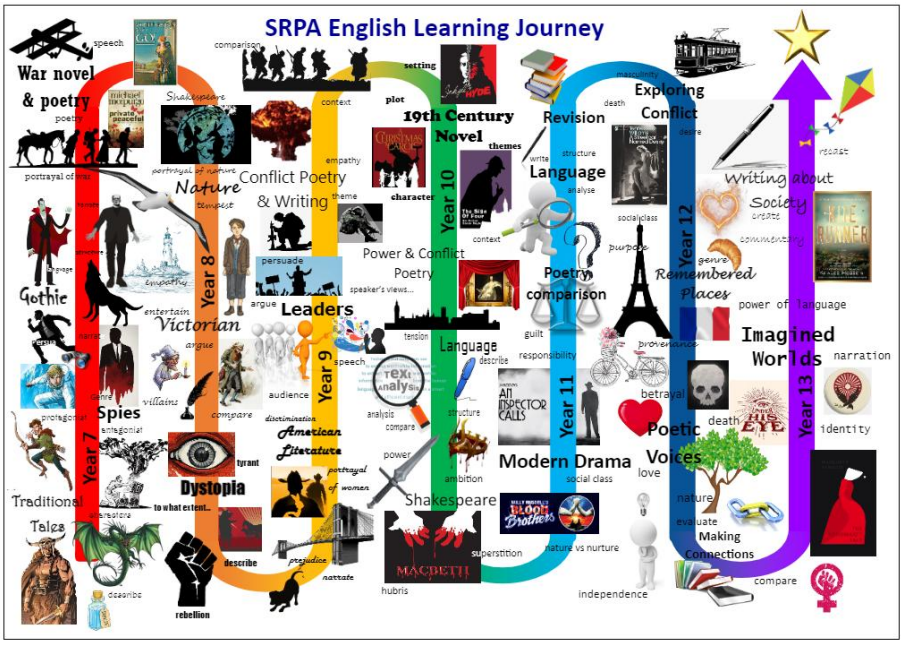
Monday 2 November 2026 to Friday 18 December 2026

Information for parents and carers

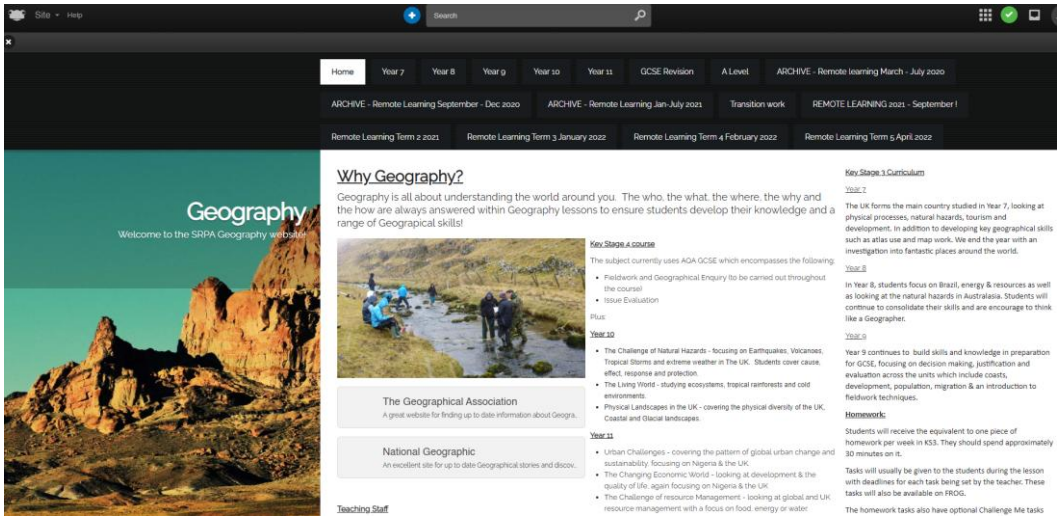
This document has been produced to give parents and carers a short summary of the topics and skills that students at Sir Robert Pattinson Academy will study during term 2 (Monday 2 November 2026 to Friday 18 December 2026).

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: JSweeting@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 examination 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.	Please contact your 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.	Please contact your teacher or Mrs Rodgers at JRodgers@srpa.co.uk
Reading Plus	This resource is being used to support the development of students' reading skills. It is being used in English 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
Seneca Learning	Seneca Learning provides students with bite-sized revision content and adaptive, AI-driven quizzes that give instant feedback, while allowing parents to easily track their child's study progress	https://senecalearning.com/en-gb/ Use the 'Continue with Microsoft' option and enter your school username and password if prompted	Please contact Mr Parkinson at AParkinson@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, students will explore the genre of spy fiction through the novel *Stormbreaker* by Anthony Horowitz. They will investigate the key conventions of the genre and consider how these are adapted for modern readers. Students will compare the presentation of spy gadgets and technology, developing their analytical skills and understanding of writers' methods. They will also examine how and why authors make particular language and structural choices to engage their audience. Alongside their reading, students will complete creative writing tasks inspired by spy fiction, applying genre conventions and authorial techniques in their own imaginative and engaging narratives.
Mathematics	**7R/Ma1 – 7R/Ma4 and 7P/Ma1 – 7P/Ma4** 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 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. You can use Sparx homework as a guide of what is being covered in a given week. You can then complete the XP boost as well as any independent learning on that topic for some further practice. **7R/Ma5 and 7P/Ma5** 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. You can use Sparx homework as a guide of what is being covered in a given week. You 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!
Spanish	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 Spanish phonics in order to pronounce words correctly and we will learn more about the Hispanic world.
Geography	In this term, we are finishing off the first of five topics which we study in Year 7 geography, place and location knowledge. We will then start topic two which is called '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, considering the key prophets, and explore what life is like for modern Jewish people living in the UK.

Computing	This term, Year 7 students will be working on Topic 2 – Presentations. This topic focuses on developing essential presentation skills that they will use throughout their education and future career. They will learn how to research information effectively using reliable sources, plan and design professional presentations, create engaging slides using PowerPoint, and deliver persuasive presentations confidently to an audience. Students choose a topic they are passionate about (such as a hobby, sport, film, or book). They will learn how to communicate their enthusiasm and persuade others to share their interest. These skills are crucial for influencing others, communicating ideas clearly, and presenting information persuasively in all subjects and in the workplace.
Music	Students will learn about the elements of music; pitch, rhythm, tempo, dynamics, timbre, texture, harmony and structure. These are the basic features that composers and performers use to create music. Understanding these elements will help students to listen to, perform, and compose music more effectively.
Drama	Students will be learning all about the traditions of British theatre through pantomime this term. From 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 wider the understanding of metals, polymers and timbers and their origin, and introduces material properties.
Catering & 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 & Design	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 rugby, badminton, gymnastics, dance, football, netball and table tennis.
Personal Development	Students will explore puberty and body development including periods, puberty in boys and girls, personal hygiene, tooth hygiene and self-esteem.

Year 8 curriculum for term 2

Subject	Term 2 overview
English	In Term 2, students will complete their study of *Animal Farm* by George Orwell, exploring how the novel reflects the features of dystopian fiction. They will respond to the text through a range of analytical and evaluative writing tasks, developing their ability to interpret ideas, characters and themes. Students will examine how Orwell's methods shape meaning and influence the reader. Drawing on their understanding of the dystopian genre, they will also produce their own descriptive and narrative writing, using techniques and conventions typical of dystopian fiction. Throughout the unit, students will strengthen both their reading and writing skills while developing confidence in crafting purposeful and engaging responses.
Mathematics	**8R/Ma1 – 8R/Ma2 and 8P/Ma1 – 8P/MaP2** This term we will start by looking into constructions; this will cover a variety of applications including architecture and map reading. We will then progress to a probability unit, which will teach us to understand the probability of different events happening and how we can apply these skills. For our final topic of the term will learn about proportion. This will cover ratios, recipes and comparing prices in shops. You can use Sparx homework as a guide of what is being covered in a given week. You can then complete the XP boost as well as any independent learning on that topic for some further practice. **8R/Ma3 – 8R/Ma4 and 8P/Ma3 – 8P/MaP4** This term we will start by looking into constructions; this will cover a variety of applications including architecture and map reading. We will then progress to a probability unit, which will teach us to understand the probability of different events happening and how we can apply these skills. For our final topic of the term will learn about proportion. This will cover ratios, recipes and comparing prices in shops. You can use Sparx homework as a guide of what is being covered in a given week. You can then complete the XP boost as well as any independent learning on that topic for some further practice. **8R/Ma5 and 8P/Ma5** 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 things 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 for multiple events. You can use Sparx homework as a guide of what is being covered in a given week. You 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 mantal 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 starched 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 new knowledge!
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 and write about technology and films, including how we use our mobile technology and exploring the world of media. 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 called '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 students 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. Looking at the question 'what does it mean to be Islamic in the UK?' Students will explore the Five pillars of Islam to gain an understanding of the key beliefs. Students will also consider the religious places of worship and the Qur'an. Students will finish the term considering what life is like for Muslim people living in the UK.
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. The concepts are linked to practical applications and problems that they are familiar with.
Music	Students will be learning about riffs and ostinatos. They will have the opportunity to learn a variety of iconic riffs as well as compose their own. They will also explore how ostinatos have been used over time and the compose using minimalistic techniques - a style that relies heavily on repetition.
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.
Catering & 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 & Design	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 create a 2-colour way print.
PE	In PE activities covered will include rugby, badminton, football, gymnastics, dance, netball and table tennis.
Personal Development	This term Year 8 personal development will focus mental wellbeing including health and wellbeing, positive body image, abuse and bullying.

Year 9 curriculum for term 2

Subject	Term 2 overview
English	In Term 2, students will complete the *Unheard Voices* unit through the study of *My Name is Leon* by Kit de Waal. Set in 1980s Britain, the novel explores themes of identity, family, belonging and social care, providing important contextual insight into the experiences of children in care. Students will investigate how language is used to develop character and convey emotions, relationships and viewpoints. They will respond to the text through analytical reading and discussion, building their understanding of writers' methods. Alongside this, students will develop their own creative writing skills through narrative writing tasks, crafting engaging and effective stories for a range of audiences and purposes.
Mathematics	**9R/Ma1 – 9R/Ma2 and 9P/Ma1 – 9P/MaP2** We start this term with proportional reasoning in a range of mathematical and real-world contexts which then feeds into Interpreting and constructing proportional and distance-time graphs. This then moves onto solving problems involving direct and inverse proportion, scaling, compound measures, and rates with proportional thinking to speed, density, pressure and other measures finishing off the 1st unit. We then move onto understanding the impact of rounding and measurement accuracy, looking at representing and interpret error intervals using inequalities. This feeds into calculating and applying upper and lower bounds in numerical and contextual problems. We finish the unit using bounds to determine the greatest and least possible values and evaluate the reliability of conclusions. Our final topic of the half term is application of circle formulae to calculate area and circumference using proportional reasoning to find sector areas and arc lengths. We move onto solving multi-step problems involving circles, sectors and arcs with the final learning around calculating the volume and surface area of cylinders and other circular solids. **9R/Ma3 – 9R/Ma4 and 9P/Ma3 – 9P/MaP4** Our first topic this term will look at direct proportion, as well as looking at how this information and questions can be presented graphically. After this we will be recapping knowledge on time, before using it to work with speed distance time. We will then do a recap on rounding, both using decimal places and significant figures. After some revision for our end of term test, our final topic of the term will focus on shape. This will include the area and circumference of a circle, looking at plans and elevations, as well as working out the volume and surface area of different prisms. You can use Sparx homework as a guide of what is being covered in a given week. You can then complete the XP boost as well as any independent learning on that topic for some further practice. **9R/Ma5 and 9P/Ma5** 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. You can use Sparx homework as a guide of what is being covered in a given week. You 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 continue to learn about different energy stores and transfers. We will be covering the conservation of energy and how it applies top 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 shopping, learning to talk and write about what we wear for different occasions, as well as how we prefer to shop. 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 and write about technology and films, including how we use our mobile technology and exploring the world of media. 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 9 geography are humans to blame for climate change? We will then start topic two which is 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 be considering the question 'how important were the RAF in the defence of Britain 1940 to 1945?'. This will involve different lesson investigations into a number of fields of conflict during World War Two such as Dunkirk, the Battle of Britain and D-Day. Students will also have an opportunity to engage in the local history of Lincolnshire and its heritage in relation to the Royal Air Force. This will all be underpinned by homework based on learning and understanding key vocabulary and lots of opportunities in lessons to develop their skills as historical writers
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 – User interface design. This topic focuses on designing a digital information point for Adventure House, an activity centre for children and adults of all ages, including people with accessibility needs. Students will learn how to plan, design, and develop user interfaces that are easy to use, accessible, and fit for purpose. By understanding user requirements, applying design principles, and creating a working prototype, they will develop essential skills for careers in digital technology, web design, app development, and project management.
Music	Year 9 students will create 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	Pupils will continue their study of the text Lord of the Flies, analysing characters and plot. They are focussing on developing investigative skills through annotations and performances, including discussions around the challenging schemes
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.
Catering & 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 & Design	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 the students' needs.
PE	In PE activities covered will include rugby, badminton, football, fitness, netball and table tennis.
Personal Development	This term Year 9 will learn about equality and diversity including: the equality act, the LGBTQ community ableism and racism.

Year 10 curriculum for term 2

Subject	Term 2 overview
English	In Term 2, students will complete their study of a nineteenth-century prose text, either *A Christmas Carol* or *The Strange Case of Dr Jekyll and Mr Hyde*. They will develop their understanding of characters, themes and writers' methods while practising analytical responses to literary texts. Alongside this, students will continue to build the reading and writing skills required for GCSE English Language Paper 1. They will explore a wide range of fiction extracts, developing their ability to analyse language and structure. These texts will also serve as inspiration for students' own descriptive and creative writing, helping them craft imaginative, engaging and effective responses for different purposes and audiences.
Mathematics	**10R/Ma1 and 10P/Ma1** Term 2 begins by looking at analysing statistics where we will construct and interpret box plots, before looking at cumulative frequency diagrams. 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, density mass volume and pressure force area. We will then continue analysing statistics, starting with recapping our understanding of grouped data, before strengthening our understanding of histograms. We will finish the term by applying our knowledge of surds to expand brackets, before factorising quadratic equations and rearranging formula. You can use Sparx homework as a guide of what is being covered in a given week. You can then complete the XP boost as well as any independent learning on that topic for some further practice. **10R/Ma2 and 10P/Ma2** Term 2 begins with fractions, including simplifying, adding, subtracting, multiplying and dividing. We then move onto covering both ratio and percentages, focusing on proportional skills covered in Key Stage 3, while building up to examination style and problem-solving questions. We will then finish the term with probability, which will include listing outcomes, frequency trees and two-way tables. You can use Sparx homework as a guide of what is being covered in a given week. You can then complete the XP boost as well as any independent learning on that topic for some further practice. **10R/Ma3 and 10P/Ma3** 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. Then just before we finish for Christmas, we will begin our constructions topic, looking at different methods to construct triangles, bisectors and loci (students will need a ruler, protractor, pencil and compass for this topic) You can use Sparx homework as a guide of what is being covered in a given week. You can then complete the XP boost as well as any independent learning on that topic for some further practice. **10R/Ma4 and 10P/Ma4** 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. After our Christmas assessment, we will learn how to simplify expressions by collecting like terms, expand single brackets, then how to combine both skills. Finally, we will study probability, listing outcomes of experiments or trials and writing the chance of each outcome occurring. You can use Sparx homework as a guide of what is being covered in a given week. You can then complete the XP boost as well as any independent learning on that topic for some further practice.

Science	**Separate Science** 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 though the atom, learning about how different elements have different electron configurations and how these different atoms bond together, from ionic boning 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. **Combined Science** 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 leaning about body systems, how the heart works and how to keep it healthy, what respiration is and why sometimes you get stiches 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 *His Dark Materials*. We will draw on knowledge from last term when we analysed the first episode of *Doctor Who* 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)	During term 2, students will continue work on Component 1 – Exploring Enterprises. This is a NEA component that focusses on a local enterprise, Walters Opticians. Students will create a formal report which will include enterprise activities, entrepreneurial skills and characteristics, market research methods as well as PEST and SWOT analysis.
BTEC Digital Information Technology	Students this term will be exploring the principles of planning a project and how digital tools can assist in project management. They will explore how to create a Gantt chart and be able to plan all the stages of their project and any constraints that they expect to find during their project development. Students will also explore practical design planning skills such as storyboards, mood boards and sketches of their final interface design apply the theoretical knowledge explored during Term 1.
Performing Arts	Students will start to 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 students will be completing topic 2 where they will be looking at the job roles within health and social care. Students will then progress to topic 3 in which they will be looking at legislation in health and social care. This includes understanding 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 the 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 students have begun a new topic exploring the concepts of life and death. This includes the study of creation, moral ethics and the sanctity of life. Students will continue to develop their understanding of Christian, Muslim and Humanist beliefs. There will also be further opportunity to practice exam questions.
French	This term we will be covering the topic of family and friends, including role models, hobbies and weekend activities. We will be focussing 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 focussing 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 table tennis.
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 badminton and table tennis.
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 Year 10 students will be focusing on healthy mind and safe choices, learning about abuse, masculinity and misogyny, self-harm, basic first aid, suicide and promoting emotional wellbeing.

Year 11 curriculum for term 1

Subject	Term 1 overview
English	In Term 2, students will complete their study of poetry, including both the anthology and unseen poetry elements of the GCSE course. They will develop their ability to analyse language, form and structure while comparing poets' ideas and methods. Following this, students will begin a comprehensive programme of revision in preparation for their mock examinations in January. Revision will cover all areas of the English Literature and English Language specifications. Students will revisit key plots, characters and themes from their set texts, while also refining the analytical, transactional and creative writing skills required for English Language. Regular practice and retrieval activities will help build confidence and exam readiness.
Mathematics	**11R/Ma1, 11P/Ma1 and 11R/Ma2** 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. 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. You can use Sparx homework as a guide of what is being covered in a given week. You can then complete the XP boost as well as any independent learning on that topic for some further practice. **11P/Ma2** This term begins by studying surds; how to simplify, manipulate, and rationalise. The second unit looks at direct and indirect proportion, understanding how relationships are represented graphically and algebraically. The final unit is on statistics, looking at box plots, cumulative frequency and histograms. Alongside the new topics we also recap foundation material through the starters and work on exam technique for the higher paper. You can use Sparx homework as a guide of what is being covered in a given week. You can then complete the XP boost as well as any independent learning on that topic for some further practice. **11R/Ma3, 11R/Ma4 and 11P/Ma3** 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. You can use Sparx homework as a guide of what is being covered in a given week. You can then complete the XP boost as well as any independent learning on that topic for some further practice. **11R/Ma5 and 11P/Ma4** This half term begins with a recap of 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. Then we complete the four operations with numbers written in standard form. Our next unit is ratio, with proportion problems from real life such as work rate and recipes. The final unit is data, studying tally charts and frequency tables, bar charts, and averages including the mean, mode and median. This unit will continue after the Christmas break. You can use Sparx homework as a guide of what is being covered in a given week. You can then complete the XP boost as well as any independent learning on that topic for some further practice.

Science	**Separate Science** 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. **Combined Science** 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 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	During term 2, students will finish Component 1 – Exploring Enterprises. This is a NEA component that focusses on a local enterprise, Walters Opticians. Students will create a formal report which will include enterprise activities, entrepreneurial skills and characteristics, market research methods as well as PEST and SWOT analysis.
BTEC Enterprise	This term students will be studying Section 2.4 – Making Financial Decisions. Students will learn how businesses manage their money and make decisions to support success and growth. They will study topics such as sources of finance, revenue, costs and profit, and how businesses use break-even analysis to help make financial decisions. Students will also learn about cash flow and the importance of ensuring a business has enough money available to cover its day-to-day expenses. They will explore cash-flow forecasts and how these help businesses plan ahead and avoid financial difficulties. Throughout the topic, students will develop their ability to calculate, interpret and analyse financial information to make informed business decisions.
Computer Science	This term students will finalise their learning of paper 2, exploring the final topic in 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 examination technique whilst revisiting the Year 10 topics.
Performing Arts	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.
Music	Students will be completing their Composition to a brief. They will also be preparing for the mock examinations in the new year, revisiting all areas of study.
Geography	This term we are finishing off the 'changing economic world' topic by focussing on the case studies of Nigeria and the UK. We will then move onto look at the final physical topic of rivers and coasts. This will comlpement 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 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 Religious Studies.

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.
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 table tennis.
GCSE PE	In GCSE PE theory lessons students will continue to work on their NEA before moving on to Unit 5 – Sports Psychology. In practical lessons they will focus on handball and 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 Year 11 students will focus on adult health including mental health, pregnancy and pregnancy choices, testicular, prostate, breast and cervical cancers and how to identify abusive relationships.