Year 11 Curriculum Newsletter: HT2 November 2026

Subject	Overview
Mathematics	Students will study the following: • **Similarity and Congruency:** This topic focuses on the relationships between shapes that are similar or congruent. Students find unknown lengths and angles using scale factors, identify and prove triangle similarity, and apply similarity to solve problems involving lengths. All students will distinguish between similarity and congruence, and use formal congruence conditions (SSS, SAS, ASA and RHS) to justify and prove that triangles are congruent. Higher students will also investigate how scale factors affect area and volume. • **Sequences and Proof:** This topic develops students' understanding of numerical and algebraic patterns. Students investigate different types of sequence, generate sequences from rules, and find the nth term of linear and quadratic sequences (higher). The topic also introduces mathematical proof, where students use algebra to represent numbers, construct logical arguments, and prove mathematical statements using algebraic reasoning. • **Working with Circles:** Foundation - This topic develops students' understanding of the properties and measurements of circles. Students calculate circumference and area, work with sectors and arcs, and find fractional parts of circles. They also solve problems involving compound shapes made from circles and apply their knowledge to real-life and multi-step mathematical problems involving area, perimeter and circle geometry. Higher - This topic explores the key geometric properties of circles and how they can be used to solve angle problems. Students learn and apply 8 key circle theorems, including angles at the centre and circumference, angles in a semicircle, angles in the same segment, cyclic quadrilaterals, and properties involving chords, radii and tangents. They combine these theorems with other angle facts to solve increasingly complex geometric problems and develop formal mathematical reasoning. • **Set Notation and Venn Diagrams:** Students learn to represent and interpret sets using Venn diagrams, work with unions, intersections and complements, and solve probability problems involving overlapping groups. They also apply these skills to more complex problems and, at Higher Tier, explore conditional probability using Venn diagrams and two-way tables. • **Functions and Graphs:** Foundation - This topic develops students' understanding of functions and graphical representations. Students use function machines, write expressions and formulae from function rules, and explore quadratic, cubic and reciprocal graphs. They learn to recognise key graph features, sketch different graph types, and use graphs to interpret relationships and solve mathematical problems. Higher - This topic extends students' understanding of algebraic functions and graphical representations. Students work with function notation, composite and inverse functions, and explore quadratic, cubic, reciprocal, exponential and trigonometric graphs. They learn to sketch, interpret and transform graphs, using these skills to solve equations, analyse relationships and understand how changes to functions affect graph shape and position. • **Homework:** Sparx Maths homework will be set weekly throughout this half term, set on a Monday, due to the following Monday. • **Assessments** ▪ W/C 2nd November 2026 – Term 1 Assessment ▪ W/C 9th November 2026 – Similarity and Congruency End of Unit Assessment ▪ W/C 23rd November 2026 – Sequences and Proof End of Unit Assessment ▪ W/C 30th November 2026 – Working with Circles End of Unit Assessment

	▪ W/C 7th December 2026 – Set Notation and Venn Diagrams End of Unit Assessment
English	Students will study the following: • 2 lessons a week studying the Power and Conflict Poetry Anthology. A collection of poems with the main themes of Power and Conflict. Students will study the poems in clusters exploring writer's ideas and intentions and exploring the poetic methods used by the writer. From this study, students will explore comparisons between the poems within the cluster. • 1 lesson a week developing the skills to analyse and compare unseen poetry. • 2 2 lessons s a week will be focused on developing their skills in exploring a range of non fiction texts and developing their own transactional and discursive writing in line with GCSE English Language Paper 2. **Assessment** • **Week 4: Poetry Comparison** • **Week 5: Language Paper 2 Section A** **Homework:** Weekly Seneca tasks. Teacher directed tasks.
Science	Students will study the following: • **Biology: The endocrine system-** Students explore how the endocrine system uses hormones to coordinate body functions. They study major glands, target organs, blood glucose control using insulin, and reproductive hormones. Triple Biology students study additional detail, including glucagon, adrenaline and thyroxine, and how negative feedback mechanisms maintain stable conditions within the body. • **Chemistry:** Organic Chemistry – Students learn about a group of similar molecules called organic molecules. Students learn how oil is refined to make fuels and the starting chemicals for the petrochemical industry. They study alkanes, alkenes, fractional distillation, cracking and combustion. Triple Chemistry students study additional organic compounds and reactions, including alcohols, carboxylic acids, esters, addition polymerisation, condensation polymerisation and naturally occurring polymers. • **Physics: Magnetism and Electromagnetism-** Students continue to learn how electromagnetic effects are used in a wide variety of devices. They will explore how engineers make use of the fact that a magnet moving in a coil can produce electric current and those systems that involve control or communications can take full advantage of this. • **Homework: Students will complete weekly exam questions assigned by their class teacher.** • **Assessment: Week commencing 9h November 2026.**
French	Students will study the following: • **Future plans:** Students will achieve an understanding of vocabulary to describe future studym types of jobs and career plans. • **Grammar:** Students will revise and develop 3rd person modal verbs. They will develop perfect tense and future time frames. • **Homework:** Weekly vocabulary tests will be set on Seneca. There will be Speaking Mock exams beginning the 23rd of November. Students will be told their individual times by their class teachers. Students will choose their topic for conversation 2 weeks before.
German	Students will study the following:

	• **Social issues:** Students will achieve an understanding of vocabulary to describe social problems, charity support and how to help. They will then go on to study **Future Plans.** • **Grammar:** Students will revise and develop 3rd person modal verbs. They will develop perfect tense and future time frames. • **Homework:** Weekly vocabulary tests will be set on Seneca. There will be Speaking Mock exams beginning the 23rd of November. Students will be told their individual times by their class teachers. Students will choose their topic for conversation 2 weeks before.
Geography	Students will study the following: **Weather hazards:** - Students will understand the global atmosphere circulation system and will know how this affects weather across the world - Students will know how weather hazards affect humans and will assess the management techniques in place. - Students will look specifically at tropical storms and Hurrican Kayan**.** **Climate change** - Students will understand the human and physical causes of climate change. - Students will know what the evidence is for climate change. - Students will understand how to mitigate climate change and adapt to it across the globe. - **Homework:** Set once a fortnight, alternating between SENECA and the challenges in resources booklet. **Assessment**: Practice exam question on the two topics above to be taken the week before Christmas.
History	Students will study the following: Weimar and Nazi Germany Section 1: The Weimar Republic 1. Origins of the republic 2.The Weimar Constitution 3.The Treaty of Versailles 4.Early Political Problems: The Spartacist Uprising, The Kapp Putsch 5.Early Economic Problems: Invasion of the Ruhr and Hyperinflation 6.The Early Nazi Party 7.The Munich Beer Hall Putsch 8.Explain why exam question (Q2) 9.Interpretations of the Weimar Republic (Q3b-d) 10.The actions of Gustav Stresemann 11.Life in Weimar Germany during the 1920's 12.The Nazi Party Lean years 1924- 1928 13.Interpretations of Stresemann's recovery (Q3b-d)

	Assessment: End of Unit assessment on Elizabeth (Explain why and Statement Questions) including multiple choice questions on Medicine and Cold War Homework: Revision resources, Seneca, Exam question bullet point planning
GCSE Religious Studies	Students will study the following: Christianity: • Food bank and Street pasters • Mission and evangelism • Church growth and reconciliation • Persecution • Assessment Hinduism: • Brahman • Divine • Tri-Murti • Deities • Cosmology • Atman • Human Life • Personal Virtue Homework: Termly revision tasks given by class teacher and end of unit assessment revision task given by class teacher.
PSHE	**Students will study the following:** **Health & wellbeing:** organ/blood donation, teenage pregnancy, getting ready for Mock Interviews, abortion, teenage parenthood, male and female cancers, and Love & abuse.
PE	Students will study the following: Girls: Outdoor Adventurous Activities/Climbing, Pilates and Aerobics Boys: Football, Volleyball, Dodgeball and Bench ball.
GCSE PE	Students will study the following: Guidance, Personality and Motivation. Practical: Handball and Badminton. **Homework:** Students are expected to work on their coursework at home they are finishing part b. They can access this on their google classroom. They will also be given exam questions to complete. **Assessment:**

	Climbing assessment Handball assessment
Sports Studies	Students will study the following: Students will start their exam content (R184). Issues that affect participation in sport: user groups, barriers and solutions for these. Homework: exam questions based on these topics through Seneca.
Music	Students will study the following: Students are working on their composition to a given brief set by the exam board– this means they have a choice of four briefs. To help them with their composition students will study all areas of study for revision. Students need to use the music software to work on their compositions – they can use the music room Thursdays after school or Monday, Tuesday and Thursday lunch times. **Homework:** Students need to be practising daily, working towards a solo and ensemble performance that lasts a total of 4-6 minutes. Students need to be working on the set brief composition Revision guide In Music, students will study the following: https://resources.eduqas.co.uk/Pages/ResourceSingle.aspx?rlid=1508&_gl=1*1k526ea*_ga*MTQ2MTU5MDYxMC4xNzI1MzQ4MjM5*_ga_79NTFZ2DJM*MTcyODMwNTU0Mi4xMS4xLjE3MjgzMDU1NTkuNDMuMC4w&_ga=2.133709006.1956007092.1728305543-1461590610.1725348239 **Assessment:** Listening exam – students will complete past papers and Elements of Music assessments Students will need to perform both their solo and ensemble pieces in March, so practice is essential at this stage.
Performing Arts	Students will study the following: **Component 1 Exploring the Performing Arts** Students will explore the interrelationships between constituent features of existing performance material. Learners will explore the creative methods of the piece theoretically, taking notes during the process. Learners must draw written conclusion about the processes, techniques, approaches, and interrelationships. Learner will explore both: - Processes- stimulus, developing material, discussion, teaching material, organising, and running of rehearsals, refining, and improving material. Techniques- rehearsals, production, technical/dress rehearsals, performances, and post-performance review.

	Students will be assessed through their written work. The deadline for the component 3 portfolio of evidence is Thursday 28th November 2024. **Homework:** Students will complete research tasks to extend their knowledge of their chosen performance.
Art	Students will study the following: Students will be given the theme of **Nature** and will independently decide on what imagery they will create based on this. Students will create a portfolio of work based on the theme of Nature using the following media. • Charcoal, • Batik, • Clay, • Canvas painting, • Annotation of work. Homework – Artist Research project on a second Nature based artist, sketchbook drawing tasks using pencil and pen. **Assessment:** • Students are assessed on their coursework pieces with a mock and practical final exam in the Spring term of Year 11. *Students will be completing this project this half term in preparation for starting their GCSE exam portfolio after the Christmas break.*
Art Textiles	Students will study the following: Students will be continuing with their NEA coursework which is due at Christmas. In this half term they will be focusing on: • Students will continue to develop their idea. • Students will complete the manufacture of their final piece. **Homework:** Each week students will be expected to spend at least an hour on their NEA. **Assessment:** • Students are assessed on their coursework pieces with a mock and practical final exam in the Spring term of Year 11. *Students will be completing this project this half term in preparation for starting their GCSE exam portfolio after the Christmas break.*
Design and	Students will study the following:

Technology	Students will be continuing with their NEA coursework which is due in Feb / March 2027. In this half term they will be focusing on: • Section D – Development. Students will be developing their ideas by producing experimental sketches, testing materials, making concept models and developing their designs on CAD to produce a final design and submit a Manufacturing Specification • Students will be ready for the manufacture of their final prototype by the end of this half term. (Section E). Theory knowledge will be recapped from Year 10. Content will include Materials this half term: Timbers Metals Polymers Electronic Systems **Summative Assessment** – Coursework will be marked section by section and final grades given to students following deadlines. **Homework:** Theory assignments and revision, revisiting the theory content already covered in preparation for the mock exam in January. Each week students will be expected to spend around an hour on their NEA.
Business Studies	Students will study the following: Paper 2: Operations, finance and the external environment. 6.1 Ethical and environmental considerations • Ethics • Environment • Business Trade offs 6.2 The economic climate • Income and spending • Employment levels • Economic growth 6.3 Globalisation • Business location with globalisation, ethical factors and increased competition • Trade barriers • Multinational companies **Homework:** Set on SENECA and the 'Mean Business' retrieval practice booklets

	Assessment: Data responses for the relevant topics.
Hospitality & Catering	Students will study the following: **2.1 Th importance of nutrition** 2.1.1 Understanding the importance of nutrition 2.1.2 How cooking methods can impact on nutritional value **2.3 The skills and techniques of preparation, cooking and presentation of dishes.** 2.3.1 How to prepare and make dishes 2.2.3a Food safety practices 2.2.3b Food safety practices 2.3.3c Food safety practices **Assessment:** 2.1 End of topic test / Unit 2 Mock Task 1a and 1b **Homework:** Practice Exam Questions
Computer Science	Students will study the following: We are revising programming skills looking at all aspect of programming including: - Sequencing - Selection - Iteration - Sub routines - 1D and 2D lists **Assessment** • Mini project including these skills to be submitted **Homework** A Learn definitions of key words. B Working on the Python IDE. C Homework will be set on Seneca for weekly revision.
Construction	**Students are working on the second assessed assignment from the exam board. Component 3 (Construction and Design). Students have now written up the analysis of the constraints and understood the client wants and needs. This half term, they will complete 3 drawings:** **1 plan view** **1 3D exterior drawing**

	1 to demonstrate clear plans that is well annotated. **Revision work is set for the mock exam:** **Component 1 – Exam Practice** 1 – Introduction to construction 2 – Strength and Stability of Buildings 3 – Fire Resistance 4 – Thermal Resistance 5 – Sound Reduction & Absorption 6 – Water Resistance 7 Sustainability 8 – Forms of low-rise construction Formative assessment takes place on worksheets and Seneca each theory lesson, questions centre around the topic covered in that lesson.
Health and Social Care	Students will study the following: Topic area 1 Rights are User groups Types of care settings, rights of service users and benefits of health and well-being. Homework: to complete exam questions