Year 10 Curriculum Newsletter: HT2 November 2026

Subject	Overview
Mathematics	Students will study the following: • **Percentages:** Students will revisit how to increase and decrease by a given percentage, as well as calculating percentage change in the context of profit and loss. Student will then review how to find the original amount given a percentage change and calculate repeated percentage change. They will then apply these skills to solve simple and compound interest problems. • **Ratio and Scale:** Students will learn how to solve a variety of problems involving ratio. This will include ratios with fractions, combining ratios and working with algebraic ratios. • **Working with Fractions:** In this module, students will revisit how to add, subtract, multiply and divide fractions. Later in the module, students will apply this knowledge to work with algebraic fractions. • **Non-Calculator Methods:** Students will revisit how to complete calculations using order of operations (BIDMAS). They will then learn how to write recurring decimals as a fraction. • **Homework:** Sparx Maths homework will be set weekly throughout this half term, set on a Monday, due to the following Monday. • **Assessments** w/c 9th November 2026 – Quadratic Expressions and Equations End of Unit Assessment w/c 23rd November 2026 – Percentages End of Unit Assessment w/c 30th November 2026 – Term 1 Assessment w/c 7th December 2026 – Ratio and Scale End of Unit Assessment
English	Students will continue to study the following: • 2 lessons a week exploring the themes, character and plot in A Christmas Carol by Charles Dickens. They will also continue to develop their essay planning and writing skills • 2 lessons a week will be focused on developing their skills in exploring a range of creative writing and developing their own creative writing in line with GCSE English Language Paper 1. • **Homework:** Weekly Seneca tasks • **Assessment:** ○ Week 3: Narrative/Description ○ Week 7 ACC extract question
Science	Students will study the following: • **Biology: Biological Rates**- This topic explores enzyme molecules and their activity in temperature and pH changes. Students learn about the effects of temperature, light intensity, carbon dioxide concentration, and chlorophyll on photosynthesis rate. • **Chemistry: Chemical changes-** Students explore reactions of acids and metals; using the reactivity series to learn how different metals can be extracted depending on their position in the series. • **Physics: Circuits combined**: Students learn about electric current, charge, potential difference, and resistance. They study series and parallel circuits, Ohm's Law, and I–V characteristics of components like diodes and filament lamps. The topic includes practical investigations to develop skills in measuring current and voltage, constructing circuits, and analysing data. Students also explore domestic electricity and safety features in household

	wiring. Key topics include Ohm's Law, circuit diagrams, calculations of electrical power, and practical applications such as fuses and circuit breakers, along with the safe use of electricity. **Triple**: Students study electric current, charge, potential difference, and resistance in depth. They explore Ohm's Law, I–V characteristics of components like diodes and thermistors, and how resistance varies. Series and parallel circuits are analysed mathematically and practically. Learners investigate domestic electricity, mains wiring, and safety features. Required practicals include measuring resistance and investigating how current and voltage behave in different components and circuit setups. • **Homework: Students will complete weekly Seneca quizzes assigned by their class teacher.** • **Summative Assessment Date:** Week commencing 30th November (combined) and 7th December 2026 (Triple).
French	Students will continue to study the following: • **Healthy lifestyle:** Students will achieve an understanding of vocabulary to describe diet, physical activities, body parts and illnesses and future changes. • **Grammar:** Students will revise and develop modal verbs. They will develop perfect tense and future time frames from Year 9 study. • **Homework:** Homework will be set on Seneca every two weeks. Summative assessment will be Reading and Writing based on this topic. Students will then begin to study the following: • **Travel and Tourism:** Students will achieve an understanding of vocabulary to describe types of accommodation, areas and places to visit and transport. They will also develop giving positive and negative opinions. • **Grammar:** Students will develop perfect tense and future time frames to describe a recent holiday and where you'd like to visit in the future. • **Homework:** Homework will be set on Seneca every two weeks. Summative assessment will be next half term.
German	Students will continue to study the following: • **Family and celebrations:** Students will achieve an understanding of vocabulary to describe family members, physical and personality descriptions and celebrations. • **Grammar:** Students will revise and develop word order with different sentence starters. They will develop perfect tense and future time frames from Year 9 study. • **Homework:** Homework will be set on Seneca three times throughout the half term. Summative assessment will be Speaking and Listening based on this topic. Students will then begin to study the following: • **Home and Town:** Students will achieve an understanding of vocabulary to describe types of houses, areas and places in town. They will also develop giving positive and negative opinions. • **Grammar:** Students will develop perfect tense and future time frames to describe a recent visit to town and where you'd like to live in the future. • **Homework:** Homework will be set on Seneca three times throughout the half term. Summative assessment will be next half term.

Geography	Students will study the following: **Changing cities- human fieldwork** - Students will learn to apply their knowledge of changing cities to their case study of Liverpool. They will go on a fieldtrip to Liverpool and create an enquiry question in which they will conduct primary fieldwork to bring back to Hodgson to write up. **Coasts-** • **Coastal processes and landforms:** Understand how waves cause erosion (hydraulic action, abrasion, attrition and solution), transportation (longshore drift) and deposition. Explore how these processes shape coastal landforms, including cliffs, wave-cut platforms, caves, arches, stacks, beaches, spits and bars. • **Coastal management:** Investigate how coastal erosion and flooding affect people, settlements and the environment. Compare hard engineering strategies (sea walls, groynes and rock armour) with soft engineering approaches (beach nourishment, dune regeneration and managed retreat), evaluating their costs, benefits and environmental impacts. **Assessment:** GCSE question paper on the topic of development, in the last two weeks of term before Christmas.
History	Students will study the following: **Medicine Through Time:** <u>Section 3: 18th and 19th Century Medicine 1700-1900</u> • Context of the Industrial Revolution and Jenner's discover of vaccinations • Case Study: John Snow & Cholera • Pasteur & Germ Theory • Koch: Developing Germ Theory • Surgery: Lister and Simpson • Nursing: Nightingale • Government Action: Public Health Acts • Statement Question: How far do you agree? (Q5/6) <u>Section 4: Modern Medicine 1900-present</u> • Treatment: Magic Bullets • Treatment: Penicillin: Fleming, Florey and Chain • Impact of WW2: NHS(Q3) • Genetics: Franklin, Watson & Crick • Improvements in Prevention: Public Health Campaigns, Legislation and Screening • Diagnosis and Treatment: New technology (Q4) • Case Studies: Lung Cancer & Covid 19 • Statement Question: How far do you agree? (Q5/6) <u>Section 5: Medicine on the Western Front 1914-1918</u>

	• The content of WW1 and the trench system and conditions. • Key battles of WW1 • Causes of illness and injury in WW1 • The Chain of Evacuation • Doctors and Nurses • New techniques in medicine • Utility question (Q2a) • Follow up enquiry question (Q2b) **Homework** 1. Create revision notes on Renaissance, industrial and modern medicine. 2. Complete the Seneca tasks on these time periods. 3. Complete the exam question planning and exam questions. **Assessment:** Medicine (week beginning 4th November) Content: Medieval, Renaissance, and industrial medicine Questions: Comparison (4), Explain why (12), Statement- How far do you agree (16)
Religion, Ethics and Philosophy	Students will study the following: Christianity Key Beliefs • Origins and Denominations • The Nature of God • The Oneness of God – The Trinity • Birth and Death of Christ • The resurrection and ascension of Christ • Sin and Salvation • Christ's role in salvation • Life after death • Revision • End Of Unit Assessment • **Homework:** Revise and reflect for our end of unit Assessment
PSHE	Students will study the following: RSE: Pleasure & delaying sexual activity, campaigning against FGM, Sexting & nudes, online pornography – myth vs reality, porn & its impact on society, unhealthy relationships & rape, and sexualisation in the media
PE	The students will study the following:

	Girls: Badminton Leadership, Football and Trampolining. Boys: Football, Badminton Leadership, Basketball and Fitness
GCSE PE	Students will study the following: • Methods of training • Training seasons • Structure and functions of the skeleton. Practical: Netball and Climbing. **Homework:** completing exam questions and will also be completing their NEA coursework. **Assessment:** December - Cumulative Paper 1 topic assessment.
Sports Studies	The students are continuing with their R187 assignment which is due in on the Friday 11th December. Homework: research tasks relating to R187.
Music	Students are working on their free composition – this means they can compose in any style they wish. To help them with their composition students will study the following musical devices: • Ostinato and sequences • How to compose a chord sequence and change key • How to develop and structure their composition Students are working through the Eduqas Revision Guide, have covered all elements of music and are working on exam questions. Music theory and can be accessed for revision via this website 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 **Homework** Students need to be practising daily, working towards a solo and ensemble performance. Students need to be working on their composition. There are also theory booklet tasks.
Performing Arts	**Component 2 -Developing Skills and Techniques** Students will work on their chosen performance area for component 2. They will focus on developing specific techniques for either dance, acting or musical theatre. As a small group in their chosen discipline area, they will learn a piece of professional repertoire that link to a practice exam brief from Pearson's.

	Performance of both skills' development exercises 1, 2, and their professional repertoire performance. All practical assessment work will be videoed as practice evidence for component 2. Supporting written work- initial skills audit, SMART targets, and skills development logs 1, 2, and reflection on professional piece 1. **Component 1- Understanding how to respond to a brief- Choreography/devising.** Learner will carry out exploration tasks in response to different given stimuli. Students will be creating/ devising pieces in groups. They will be developing understanding of how to respond to the given brief and they will learn how to select skills and developing them in response to the theme/stimulus. They will learn techniques for devising and choreographing performance material.
Art	Students will study the following: **Art Journal Project** - Students will be given a series of themes and media and will independently to create a portfolio of work based on this. • Primary Source bottle pencil drawing, • Primary Source sweet wrappers oil pastel, • Thomas Arvid artist research, • Fruit Drawing Pencil crayon on black paper, • Angelina Faustina artist research, • Annotations Homework – DIRT **Assessment:** • Students are assessed on their coursework pieces with a mock and practical final exam in year 11.
Textiles	Students will study the following: A variety of applique techniques will be introduced and the use of bond-a-web and interfacing. Students will research the textiles artist Viktor & Rolf and present this in their sketch book. Samples of gathering and weaving recycled materials. Experiments with Brusho, Inktense, Heat transfer paints and shibori presented in sketch books. Homework is to complete class work to enable students to stick to deadlines.
Design and Technology	**Students will study the following:** **Skills Project - Jewellery**

	• Using CAD/CAM to product moulds and formers. • Creating a range of small-scale products to explore skills and techniques. To include Vacuum forming, resin casting, laser cutting, pewter casting. • **Theory – Unit 1 PG Online AQA – New and Emerging Technologies:** • • Production Techniques & Systems • Informing Design Decisions • End of Unit Test **Homework:** Unit 1 low strakes quizzes – Seneca. Revision for summative end of unit test. Diary of manufacture for practical solutions.
Business Studies	Students will study the following: **1.3 Business ownership, 1.4 Business aims and objectives and 1.5 Stakeholders. This will include:** • How businesses communicate effectively with different stakeholders • How the way in which businesses communicate with stakeholders has changed over the years • Understanding of different types of ownership: sold traders, partnerships, private and public limited companies. • Business aims and objectives and how they change over time. • Different stakeholders and the impact they have within a business. • Homework will be set on SENECA and for students to research business news. **Practice research methods with a mini cereal project recapping HT1.** **Assessment:** Data Responses for the relevant chapters.
Enterprise	Students will study the following: Component 1: Exploring Enterprise Learners will explore different enterprises to develop their knowledge and understanding of the characteristics of enterprises and the skills needed by entrepreneurs to be successful. Learners will explore how enterprises use market research to find out about their customer needs and competitor behaviour and how internal and external factors may affect enterprises. Learning outcome B: Understand customer needs and competitor behaviour through market research B1 Market research methods B2 Understanding customer needs B3 Understanding competitor behaviour

	B4 Suitability of market research methods Learning outcome C: Understand how the outcomes of situational analyses may affect enterprises C1 PEST (Political, Economic, Social, Technological) analysis C2 SWOT (Strengths, Weaknesses, Opportunities, Threats) analysis
Hospitality & Catering	Students will study the following: **2.3 The skills and techniques of preparation, cooking and presentation of dishes.** 2.3.1 How to prepare and make dishes **1.3 Health and safety in hospitality and catering** 1.3.1 Health and safety in hospitality and catering provision 1.3.2 Food safety **1.4 Food safety inhospitality and catering** 1.4.1 Food-related causes of ill health 1.4.2 Symptoms and signs of food-induced ill health **Assessment:** 1.3 End of topic test / End of Term assessment. (Topics covered in the end of term assessment include 2.3.3 and 1.3) **Homework:** Practice Exam Questions
Computer Science	Students will study the following: **Python programming concepts: selection and iteration, IDE's and Networks.** • Building on the concepts from year 8 introducing to the selection, nested selection, string manipulation, iteration and debugging syntax and logical errors. • Defining a network and addressing the benefits of networking, before covering how data is transmitted, network protocols, topologies. • Understanding legal and ethical stuff relating to computing. **Assessment** • Formative assessment during week 6. **Homework** A Learn definitions of key words ready for Forms quiz mid-point. B Working on the Python using thorny, replit and any other IDE's C Homework will be set on Seneca.
Creative iMedia	Students will study the following:

	R093 Section 2 – Factors influencing product design 1.Purpose of media product 2.Use of colours in media product 3.Style. Content and layout 4.Language and tone in the media product 5.Audience, demographics and segmentation 6.Client brief and requirements 7.Story boards As well as using Photo editing tools such as Adobe Photoshop and creating logo's using Adobe illustrator and online tool Piskel **Assessment** • Formative assessment during week6. **Homework** A Learn definitions of key words ready for Forms quiz mid-point. B Work with scripts and storyboards. C Homework will be set on Seneca for Half Term.
Construction	Students will be preparing to study for component 2, their first assessment which counts towards their final Year 11 grade. We will be carrying out a series of wood joints to practice accuracy and master skills when using tools and machinery. Students will also be writing mock risk assessments in preparation for their assessment. **Component 2 – Construction in Practice -(Term 2/3)** In this component, students will be asked to construct a product. The specification for the product will be provided by the exam board. Students will be expected to demonstrate safe working practices, accurate measuring and the correct use of all tools and machinery to product an accurate and well finished product. Students will also be asked to complete a detailed risk assessment highlighting workshop hazards and proposing control measures. Theory lessons will inform choices for people at risk and control measures. **Component 1 – Exam Content** Students will continue to cover exam in preparation for the final Year 11 exam. This half term they will study: **Section A:** Sound Reduction & Absorption

	Water Resistance Sustainability Forms of Low-Rise Construction
Health and Social Care	Students will study the following: **R033 Task 2A-** they will developing their current assignment onto factors: social, cultural and emotional factors and the impact this has. The deadline for Task 2A is 19th December. **Homework:** Research tasks for R033 Task 2A.