Curriculum Summary – What are Y11 learning in Autumn 2?

Subject	What are students learning?
Animal Care	Students will complete their second piece of controlled assessment on Animal accommodation which is worth a further 30% of their overall grade Students will start covering the content for the external assessment beginning with the common causes of ill health. They will study parasitic infections, as well as bacterial, fungal and viral diseases and how to treat them.
Biology	Students will be completing the Infection and Response module as well as preparing for their mock assessments which will be Paper 1 topics (Cell Biology, organisation, infection and response, and finally Bioenergetics). They then start work on the final Biology module with content including inheritance and types of reproduction.
BTEC Tech Award Sport	Students will complete PSA 1- This is an external assessment worth 30% of final grade. All materials for this are on Assignments on Teams. 3 tasks to be completed. Task 1 – Increasing participation in regular sport or physical activity for different types of sports participants Task 2 – Equipment and technology required for participants to use when taking part in sport and physical activity. Task 3 – Preparing participants to take part in sport and physical activity. Students are also covering component 3 exam content. Content and revision materials are on Teams.
Business	Students will be studying the role of marketing. Looking at decisions around the 4 P's of the Marketing Mix (Price, Product, Place & Promotion). We shall be developing the skill of evaluation.
Chemistry	Students will develop mathematical and analytical skills in the quantitative chemistry topic.
Child Development	Students will learn about different needs that children may have such as physical needs or sensory needs and are looking at the skills and techniques early years practitioners use to adapt activities to be inclusive for all children.
Computer Science	Students will be studying some fundamental algorithms, including Binary Search, Bubble Sort, Merge Sort and Insertion Sort. They will learn how to write their own algorithms using flowcharts and how to identify errors in their code and fix them.

Drama	Students are beginning their component 2 script work. they will choose one monologue and one duologue to perform to a live examiner and will spend one lesson a week ensuring that they are off script and the second lesson will be looking at exam technique under 'An Inspector Calls' and practising exam questions.
English	Studentss will work on Paper 2 for English language, examining writers' perspectives and viewpoints. They will learn how to compare texts, infer and analyse, culminating in them writing their own non-fiction piece. In literature, pupils are studying 'Macbeth' to complete their study of Paper 1. They will examine the Jacobean context and key themes such as ambition, deception and the supernatural as well as character, language, form and structure.
Food Preparation and Nutrition	Students will develop their food science knowledge and investigative skills through NEA1 Food Investigation. They will explore the functional properties of ingredients, conduct practical experiments, analyse results and draw conclusions to explain how ingredients behave during food preparation and cooking.
GCSE Fine Art	Students are in the development stage of their coursework unit with a strong focus on AO2. They will be developing ideas informed by artists they have researched towards a final conclusion to their project. The final outcome will be planned in detail before being created in their mock exam on the 30th Nov and 1st Dec. The final coursework deadline is Fri 8th January and this is worth 60% of their final grade.
GCSE French	As well as completing mocks, French students will complete the topic of Travel and Tourism, with weekly writing practice and regular opportunities to build skills in answering open ended questions, describing photos, and identifying time frames. There will be an increasing emphasis on speaking as we prepare for the mock speaking exams in January.
Geography	Students will develop an understanding of hazards, including meteorological and climatic hazards. They will develop skills in interpreting maps and geographical data, as well as explaining key geographical processes.
Graphics	Students will develop their practical design skills through 3D exploded isometric sketching and annotation to communicate design ideas clearly. They will explore modelling techniques and develop nets in preparation for their final coursework project. Alongside this, students will build their theoretical understanding of programmable electronics and mechanical systems, including the application of calculations to solve design problems.
Health & Social Care	Students are working towards their second Pearson Set Assignment looking at health care services and social care services. They need to apply their knowledge to a number of case studies looking at what services can support each individual.
History	Students will develop their understanding of life in Nazi Germany and consolidate their knowledge of key topics studied in Year 10 in preparation for their mock examinations. They will develop their historical skills in analysing sources and interpretations, constructing

	well-supported essays and answering examination questions effectively under timed conditions.
Mathematics	Higher Tier Students will be studying Further Trigonometry, Inequalities and Circle Theorems. They will be developing their understand of 2D and 3D geometry. Foundation Tier Students will be studying Forming and Solving Equations, Trigonometry, and Linear and Quadratic Graphs. They will be developing their understanding of using algebra to solve problem and represent them graphically.
Music	Students will be developing their musical dictation, score reading, and essay writing skills. They will also be consolidating their understanding of the elements of music and beginning their brief compositions
PHSCE / RE	Students will be completing their study of the short course GCSE Christianity unit, consolidating their understanding of key Christian beliefs, teachings and practices in preparation for their GCSE examinations. They will apply religious teachings to contemporary issues and develop their ability to construct well-developed responses to exam-style questions. Following this, students will begin a PSHE unit focusing on drugs and alcohol, exploring the physical, social and legal consequences of substance misuse. They will develop their understanding of addiction, risk-taking behaviours, peer pressure and the importance of making informed and responsible decisions to protect their health and wellbeing.
Physical Education	In swimming students will develop their swimming fitness and race techniques, complete an Individual Medley assessment and develop their Water Polo skills and tactics through competitive game play. In Netball, students will develop their positional play, tactical understanding and ability to apply skills in competitive match play. In Badminton, students will develop their singles and doubles skills through recreational match play.
Physics	Students will develop an understanding of atomic structure and radioactivity, exploring the properties, uses and risks of alpha, beta and gamma radiation. They will investigate radioactive decay and half-life, applying their knowledge to interpret decay data. Triple Science students will also develop their understanding of nuclear fission and fusion, alongside the physics of space, including the Solar System and the Big Bang theory by the end of the Autumn term
Resistant Materials	Students will continue to develop their NEA coursework, building on their initial design ideas to produce development models of their chosen designs in the workshop. They will refine and develop their ideas into a final design, presented through detailed isometric and orthographic drawings with full annotations. Once completed, students will begin manufacturing their final design outcomes.