

Half Term 5 Subject Overviews: What your child has been learning this half term

Head of year: Mr C Pattinson

English Literature	Maths (Pure)	Maths (Applied)	Biology	Chemistry	Physics	Applied Science	Geography	History
Paper 1 (Drama) A Streetcar Named Desire • Genre features and conventions • Reading for detail • Language, form and structure • Critical evaluation • Contexts • Attitudes & values	 Indefinite integration F'(x) to find F(x) Definite integrals Areas under curves Areas under the x axis Areas between curves and lines Proof & partial fractions Proof by contradiction 	 Variable acceleration Displacement, velocity, and acceleration Calculus in kinematics to model in a straight line for particle moving Gradients linked to rates of change Minimum & maximum velocities Calculus in kinematics Area under a graph is the integral Constant acceleration formulae 	 Forming tissue fluid Structure of the heart Cardiac cycle ECG Haemoglobin Photosynthesis & respiration Chloroplast Photosynthetic pigments Light dependent & independent reaction Cell signalling Homeostasis 	 Determining enthalpy change Calculating reaction rate Boltzmann distribution Dynamic equilibrium Eliminating water from alcohols Mechanism of nucleophilic substitution in hydrolysis Halogen radicals Identification of functional groups Monitoring air pollution using IR radiation and covalent bonds 	 Photoelectric effect Electron diffraction Atomic energy levels Wave particle duality Collisions Circular motion Electric fields Radial/uniform fields Millikan's oil drop Coulomb's law Electric potential Capacitors Charging & discharging capacitors 	Unit 2 Biology: • Polarity & size in chromatographic separations • Polar solvents to extract pigments • TLC Unit 2 Chemistry: • Titration • Colorimetry Unit 2 Physics: • Cooling curves • Comparing thermometers	Water & Carbon Cycle • Systems approach • Water cycle processes • Drainage basins & flood hydrographs • Changes in water cycle • Carbon cycle Fieldwork investigation • Defining & developing a question • Collecting field data • Analysing & summarising findings • Presenting data • Drawing conclusions	 The impact of war and defeat on Germany Divided Germany – the Federal Republic and the DDR
Mr Barlow	Miss Wright			^e ^{Os} Mrs Poddington			Mrs Bradley	Mr Rainsley
Art	CAMB TECH PE	A LEVEL PE	ICT	RE	French	Personal Development	Music	Health & Social Care
 Personal portfolio: Component 1 Subject specific skills are bespoke to the student but are built on skills learnt at GCSE and through the first two projects Photoshop is used throughout the projects 	 Structures of the lungs Respiratory muscles Inspiration Expiration Gaseous exchange Tidal volume Breathing volume Breathing frequency Minute ventilation Organisation of sports events Applying skills, technique & tactics to individual& team sport 	 NEA written analysis NEA evaluation corrective measure Injury Preparation and training methods Memory models Concepts of physical activity and sport Development of elite performers in sport 	 Virtual & augmented reality Design virtual & augmented reality resources Create virtual & augmented reality resources Predict future applications for virtual & augmented reality 	 The nature & influence of religious experience Mystical experience Conversion experience Utilitarianism Teaching & example of Dietrich Bonhoeffer Duty to God & duty to the State Church as community & source of spiritual discipline The cost of discipleship 	 Everyday customs & traditions in France Customs in francophone countries Practice of translation to and from English Reading & listening Essay writing skills Summarising skills Introduction of Individual Research Project 	 Careers in core subjects: English, maths, science Writing personal statements Plagiarism 	 Performance prepatory work Composition prepatory work AoS 1 – continuation of Beethoven AoS 2 – Introduction to A Level set works Recommended tasks & activities 	Unit 1: Building positive relationships in HSC • Effectiveness of communication in 1-1 and group settings • Review effectiveness • Use of reflective practice to ensure interactions can build positive relationships in HSC environments
Miss Norman	Miss Smith		Ms Cooper	Miss Holliday	Mr Machard	Miss Holliday	Mr Newton	Mrs Fisher