



Half Term 2 Subject Overviews: What your child has been learning this half term

Head of year: Mr C Pattinson

Y13

English Language	English Literature	Maths (Pure)	Maths (Applied)	Biology	Chemistry	Physics	Applied Science	Geography	History
<ul style="list-style-type: none"> Methods of language analysis Coherent written expression Concepts and issues relevant to language use Analysing and evaluating how contextual factors and language features are associated with the construction of meaning Exploring connections across texts 	<ul style="list-style-type: none"> Othello NEA coursework component How playwrights use dramatic forms to shape meaning in drama texts and evoke audience responses Making connections between a range of literary texts and exploring relationships between texts 	<ul style="list-style-type: none"> Locating roots of functions Approximate solutions using iterative Newton-Raphson method 3D coordinates 3D vectors Finding angles between 3D vectors Integration by parts Integration of algebraic fractions Cartesian & Parametric form Trapezium rule 	<ul style="list-style-type: none"> Equilibrium & concurrent forces Resultant force Coplanar forces Statics Newton's second law Equation of motion in 1D and 2Ds Formulate equations for connected particles Vectors for displacement, velocity and acceleration Calculus with harder functions 	<ul style="list-style-type: none"> Biological classification Binomial system 3 domains of life Classification and phylogeny Evolution Types of variation Statistics and variation Adaptation Respiratory substrates Phagocytes B and T lymphocytes Pathogens Opsonins, agglutinins and anti-toxins Active & passive immunity 	<ul style="list-style-type: none"> Bronsted-Lowry Acid dissociation constant pH logs Enthalpy change Ionic charge effect Using oxidising and reducing agents Redox equations Oxidation numbers Nucleophilic addition Detecting carbonyls Detecting aldehydes Reactions of carboxylic acids Esterification Hydrolysis of esters Using acyl chlorides 	<ul style="list-style-type: none"> Capacitor basics Charging and discharging capacitors Capacitor maths Magnetic fields Electric motors Magnetic forces Generating electricity Alternating current Simple harmonic motion SHM maths SHM energy Resonance and damping 	<ul style="list-style-type: none"> Factors affecting rate of diffusion Brownian motion Factors affecting plant growth – biotic and abiotic factors Sampling techniques Plant sampling Fuels Combustion SHC Energy ratings Analysing electricity bills SHC 	<ul style="list-style-type: none"> Ecosystems in the British Isles over time Marine ecosystems Local ecosystems Case studies The global commons Antarctica as a global common Globalisation critique Fieldwork 	<ul style="list-style-type: none"> Who were the Tudors? The main causes of rebellion and disorder The frequency and nature of disturbances The impact of disturbances on Tudor government The maintenance of political stability Personal study coursework
Mr Bird		Miss Wright		Mrs Poddington				Mrs Bradley	Mr Rainsley
Art	Photography	CAMB TECH PE	ICT	RE	French	Personal Development	Music	Health & Social Care (Single)	Health & Social Care (Double)
<ul style="list-style-type: none"> Student led project Personal portfolio Drawing Analysis of context Proportion Observation Colour theory Composition Mixed media Use of photoshop Typography Graphic design 	<ul style="list-style-type: none"> Student led project Personal portfolio Analysis of context Proportion Observation Colour theory Composition Mixed media Use of photoshop Typography Graphic design 	<ul style="list-style-type: none"> Sports development Sport development continuum Participation targets Promotional values Social benefits Self assessment Peer assessment Classification of skills Measuring improvement Participant needs Applying skills, techniques & tactics to an individual sport Applying skills, techniques & tactics to a team sport 	<ul style="list-style-type: none"> The project life cycle Initiate and plan projects Execute projects Evaluate projects Technological developments in body/ health, home/ garden, city/ neighbourhood 	<ul style="list-style-type: none"> Nature of God Omnipotence Omniscience (Omni)benevolence; eternity, free will The development of contemporary multi-faith societies Christian responses to interfaith dialogue Christian responses to the scriptural reasoning movement 	<ul style="list-style-type: none"> The experience of immigrants in France Immigrant entrepreneurs and workers within the economy The contribution of immigrants to arts and culture Immigrants and local people share their experiences, positive and negative 	<ul style="list-style-type: none"> Sex and media Sex: readiness and encounters Controlling relationships Ageism & prejudice 	<ul style="list-style-type: none"> Performance preparatory work Composition Researching the board set brief Development of understanding of Haydn, Mozart and Beethoven Introduction to Jazz 	<ul style="list-style-type: none"> Relationships in health, social care or child care environments The factors that influence the building of relationships Potential hazards in health, social care and child care environments Legislation, policies and procedures promote health, safety and security in health, social care and child care environments 	<ul style="list-style-type: none"> Personalisation in health and social care What is meant by a person-centred approach to care Types and signs of abuse Factors which may lead to abusive situations Legislation, regulatory requirements and guidance which govern the safeguarding of adults, young people and children
Miss Norman		Mr Smith	Ms Cooper	Miss Holliday	Mr Machard	Miss Holliday	Mr Newton	Mrs Fisher	