



Half Term 1 Subject Overviews: What your child has been learning this half term

Head of year: Mrs L Tunstall

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">• Definition of a function• Domain and range of functions• The modulus function and their graphs• Transformations• Inverse functions and their graphs• Solving modulus problems• Binomial series• Expansion of rational functions	<ul style="list-style-type: none">• Understand exponential models in bivariate data• Changing variables in a regression line to estimate coefficients• Correlation coefficients• Set notation for probability• Conditional probability• Two way tables and Venn diagrams	<ul style="list-style-type: none">• Phagocytes• Lymphocytes• Pathogens• Opsonin and agglutinin• Active and passive immunity• Biological classification• Classification and phylogeny• Types of variation• Statistical analysis• Factors affecting population size	<ul style="list-style-type: none">• Rates of reaction• Rate order• Rate equations• Deducing orders from rate graphs• IUPAC rules for naming• Electrophilic substitution in arenes, phenol and aromatic compounds• Nucleophilic addition• Acidity of phenols• Detecting carbonyls• Detecting aldehydes	<ul style="list-style-type: none">• Momentum• Electric fields• Oil drop experiment• Radial electric fields• Coulomb's Law• Capacitor basics• Internal energy• Heat transfer• Ideal gases• Kinetic theory• Nuclear physics• Particle accelerators• Particle detectors• Large Hadron Collider	<ul style="list-style-type: none">• Assignment write up time• Risk assessments• Protein structure• Enzymes• Factors affecting active sites• Collision theory• Energy profiles• Electrical resistance• Thermistors	<ul style="list-style-type: none">• Water cycle• Carbon cycle• Climate change• Non-examined assessment• Global systems• Governance	<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">• UK sport organisations• Departments for sport• Funding processes• Professional associations• Roles of coaches• Roles of leaders• How roles impact a sport• Principles of leadership• Applying skills and tactics to individual and team sport	<ul style="list-style-type: none">• The internet of everything• Where the IOE is used• Applications of the use of the IOE• Global impacts• The 4 pillars of the IOE	<ul style="list-style-type: none">• Nature & influence of religious experience• Views and main conclusions of William James• Different ways in which individual religious experiences can be understood• The Bible as the only authority for Christian practices• Bible, Church and reason as sources of Christian ethical practices	<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">• Motivation and work ethic• Initiative• Problem solving• Leadership skills• Personal branding• How to revise	<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	