



Half Term 4 Subject Overviews: What your child has been learning this half term

Head of year: Mr C Pattinson

Y12

| English Literature | Maths (Pure) | Maths (Applied) | Biology | Chemistry | Physics | Applied Science | Geography | History |
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| <p>Paper 2 (Prose): Frankenstein by Mary Shelley</p> <p>Paper 3 (Poetry): Section A Poems of the Decade: An Anthology of the Forward Books of Poetry 2002 - 2011</p> <ul style="list-style-type: none"> Function of genre features Language, form and structure in texts Contexts Critical evaluation Attitudes & values | <ul style="list-style-type: none"> Exponential functions Exponential modelling Inverse of exponential functions Logarithms Laws of logarithms Solving equations involving logarithms Logarithms & non-linear data Plotting log y against log x | <ul style="list-style-type: none"> Hypothesis testing Null & alternative hypotheses Significance levels Critical values of a binomial distribution One-tailed tests & two-tailed tests Critical region & acceptance region | <ul style="list-style-type: none"> Transport systems in multicellular plants Dicotyledonous plants Transpiration Xerophytes Mechanisms of ventilation in fish Mechanisms of ventilation in insects Transport systems in multicellular organisms Circulatory systems Blood vessels | <ul style="list-style-type: none"> Enthalpy Standard conditions $q = mc\Delta T$ Hess' Law Alkenes Trigonal planar shapes Stereoisomerism Reactivity of alkenes Electrophilic addition Markownikoffs rule Polymerisation Processing waste polymers | <ul style="list-style-type: none"> Resolving vectors Projectiles Gravitational potential & kinetic energies Work & power Fluids, density & upthrust Fluid movement Drag act Terminal velocity | <p>Unit 1 Biology:</p> <ul style="list-style-type: none"> Review unit 1 for summer exam <p>Unit 1 Chemistry:</p> <ul style="list-style-type: none"> Review unit 1 for summer exam <p>Unit 1 Physics:</p> <ul style="list-style-type: none"> Inverse square law for intensity Wave intensity and communication Review unit 1 for summer exam | <ul style="list-style-type: none"> Coastal management Quantitative and qualitative skills Case studies Fieldwork Urbanisation Urban forms Social & economic issues with urbanization Urban climate & drainage Waste & disposal Contemporary urban environmental issues Sustainable urban development | <ul style="list-style-type: none"> The establishment and development of the Weimar republic The establishment of the Nazi dictatorship The impact of war and defeat on Germany Divided Germany – the Federal Republic and the DDR |
| Mr Barlow | Miss Wright | | Mrs Poddington | | | Mrs Bradley | Mr Rainsley | |
| Art | CAMB TECH PE | A LEVEL PE | ICT | RE | French | Personal Development | Music | Health & Social Care |
| <ul style="list-style-type: none"> 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 | <ul style="list-style-type: none"> Heart structures Heart roles Stroke volume, heart rate & cardiac output Blood vessels Functions of blood Vascular shunt Purpose of events SMART targets Risk assessments Contingency plans Promotional material Resourcing Objectives Analysis & evaluation Communication, feedback & guidance Applying skills, tactics & techniques to sports | <ul style="list-style-type: none"> NEA written analysis NEA evaluation cause Energy systems Attribution theory Achievement motivation Impact of sport on society Impact of society on sport | <ul style="list-style-type: none"> Understand ethical and operational issues and threats to computer systems whistle blowing disability/ gender/ sexuality discrimination use of information codes of practice staying safe online bias security of information health and safety disaster planning and recovery organisational policies change management scale of change: | <ul style="list-style-type: none"> The ontological argument Anselm Gaunilo's criticisms Kant's criticisms Kantian ethics; duty, hypothetical imperative, categorical imperative, three postulates Jesus Christ's authority as the Son of God, a teacher of wisdom, a liberator | <ul style="list-style-type: none"> Contemporary francophone music Development of francophone music Influence of music in modern society Freedom of the Press Influence of the Internet on the written press Effects of media & new technology How Christmas and other religious festivals are changing in France Influence of other cultures on festivals in France | <ul style="list-style-type: none"> Cosmetic & plastic surgery Gender Identity Miscarriage Unplanned pregnancy | <ul style="list-style-type: none"> Performance Preparatory work Practice recital in front of class of planned Composition Preparatory work Composition workshop Continuation of Haydn Introduction to Popular Song – Blues, Jazz, Swing and Big Band | <ul style="list-style-type: none"> Person-centred approaches to build positive relationships in HSC settings Effective communication skills to build positive relationships within HSC settings Digestive system & their malfunctions Supporting individuals with dementia to plan their care and support |
| Miss Norman | Miss Smith | | Ms Cooper | Miss Holliday | Mr Machard | Miss Holliday | Mr Newton | Mrs Fisher |