



Half Term 2 Subject Overviews: What your child will be learning this half term

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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"> Binomial expansion Expression of rational functions Radians Trigonometric equations in radians Trigonometric functions Parametric equations Trigonometric modelling 	<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"> Chloroplast structure LDR/LIR Cellular respiration Glycolysis, the link reaction and Krebs cycle Respiratory substrates and RQ Homeostasis Metabolism Kidneys Water potential Endocrine communication The pancreas 	<ul style="list-style-type: none"> Equilibrium constants Bronsted-Lowry Acid dissociation constant pH logs Titration curves Reactions of carboxylic acids Esterification Formation of acyl chlorides Basicity of amines Aliphatic and aromatic amines Optical isomerism 	<ul style="list-style-type: none"> Magnetic fields Deflection tubes Electric motors Generating electricity Current balance Using a search coil to investigate EM induction The particle zoo Particles and forces Nuclear radiation Rate of radioactive decay Nuclear fission and fusion 	<ul style="list-style-type: none"> Unit 2 Completion and improvement of aspect 2D Astrophysics Unit 3 Variable Graphical representations Validity in science Peer reviews Practical biology Practical chemistry 	<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"> The frequency and nature of disturbances Location and regional variations Objectives including the removal of the monarch Size, frequency and duration of the rebellions Leadership and the abilities of leaders Differences between rebellions in England and Ireland
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Art	Photography	PE	ICT	RE	French	Personal Development	Music	CNAT Health & Social Care (Single)	CNAT 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 Participation targets Promotional values Social benefits Applying skills, technique and tactics to individual and team sports 	<ul style="list-style-type: none"> Understanding project life cycles Initiating and planning projects Developments for body and health Developments for the home and garden Developments for the city/neighbourhood Developments for industry 	<ul style="list-style-type: none"> Gender and society Gender and theology The changing views of gender and gender roles on Christian thought and practice Attitudes towards different types of family – motherhood / parenthood Sanctity of life Quality of life Sexual ethics The problem of evil and suffering 	<ul style="list-style-type: none"> The costs and problems of immigrant integration into the French economy Diversity in France The aims and history of Jean Marie Le Pen and the <i>Front National</i> Reasons for increasing popularity of the <i>Front National</i> Changes in the policies and developing priorities of the <i>Front National</i> 	<ul style="list-style-type: none"> Personal statements: extra-curricular activities Finance: renting vs buying Payday loans Pensions and retirement 	<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"> The relationships in health, social care or childcare environments The factors that influence the building of relationships How a person centred approach builds positive relationships Using communication skills to build positive relationships Nutrition and diet guidelines Dementia types 	<ul style="list-style-type: none"> Promoting positive behaviour Reactive and restrictive interventions Infection control Chain of infection Controlling the spread of infection Types causes and effects of mental health conditions Supporting mental health conditions
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