

Curriculum Topics for year 11 Autumn Term Assessments (2021)

Department	Topics to be assessed
Philosophy and Ethics	Crime and Punishment module Relationships and Families module
Computer Science	DATA REPRESENTATION. <ul style="list-style-type: none"> • Number bases • Converting between number bases • Binary arithmetic • Character encoding • Representing sound and images • Data compression
English Language	Creative writing
English Literature	Macbeth focusing on Act 3 and the theme of fear.
GCSE Maths - Foundation Tier (sets 6 - 8)	<ul style="list-style-type: none"> • Solving equations • Substitution • Linear graphs • Sketching graphs • Simultaneous equations • Simultaneous graphs • Quadratic graphs • Cubic graphs • Pythagoras Theorem • Proportion • Trigonometry in right angled triangles • Trigonometric ratios
GCSE Maths - Foundation Tier & Grade 6+ Booster (Sets 11X5 and 11Y5)	<ul style="list-style-type: none"> • Solving equations • Substitution • Linear graphs • Sketching graphs • Simultaneous equations • Simultaneous graphs • Quadratic graphs • Cubic graphs • Pythagoras Theorem • Proportion • Trigonometry in right angled triangles • Trigonometric ratios • Quadratic Formula • 3D Trigonometry • 3D Pythagoras • Direct and Inverse Proportion

GCSE Maths - Higher Tier (Sets 1 -4)	<ul style="list-style-type: none"> • Sketching graphs • Transforming graphs • Compound interest • Simple interest • Pythagoras theorem • Trigonometry in right angled triangles • Trigonometric ratios • Trigonometry in scalene triangles • Area of a triangle using trigonometry • 3D Trigonometry • 3D Pythagoras • Direct and Inverse Proportion
Further Maths GCSE	<ul style="list-style-type: none"> • Range and domain • Piecewise functions • Equation of a circle • Simultaneous equations (3) • Factor theorem • Pascals triangle
Drama	Live Theatre Evaluation <i>One Man Two Guvnors by Richard Bean , Directed by Nicholas Hytner.</i>
Digital IT	Section C1 Responsible Use <ul style="list-style-type: none"> • Shared Data – transactional data, cookies • Environmental impacts of Digital devices Section C2 Legal and Ethical issues <ul style="list-style-type: none"> • Net Neutrality • Acceptable Use Policies • Teleworking/Working from home • Data Protection • Intellectual property
Music	Topics <ol style="list-style-type: none"> 1. H Purcell: Music for a While 2. J S Bach: 3rd Movement from Brandenburg Concerto no.5 in D major 3. L van Beethoven: 1st Movement from Piano Sonata no.8 in C minor 'Pathétique' 4. J Williams: Main title/rebel blockade runner (from the soundtrack to Star Wars Episode IV: A New Hope) 5. Queen: Killer Queen (from the album 'Sheer Heart Attack') 6. Musical dictation from S Schwartz: Defying Gravity (from the album of the cast recording of Wicked)
PE	Principles of training Training types Specific training techniques (altitude training) Warm up and cool down Skill classification Goal setting

	Guidance Feedback															
DT	<ul style="list-style-type: none"> • Properties of materials – key terms and definitions • Properties of polymers • Properties of metals • Maths used in designing (specifically areas, gear ratios, percentages) • Scales of production (e.g. batch, mass and the others we covered) • Isometric and orthographic drawing • The use of CAD/CAM in modern design and manufacturing • Different energy sources and the advantages and disadvantages of these 															
Geography	<table border="1"> <thead> <tr> <th>Option Block</th> <th>Theme 1</th> <th>Theme 2</th> </tr> </thead> <tbody> <tr> <td>A (KPC/BPB)</td> <td>Manufacturing industry and economic development</td> <td>Regional differences in the UK</td> </tr> <tr> <td>B (JGG/DVP)</td> <td>TNC and industrial development</td> <td>Transport in the UK</td> </tr> <tr> <td>C (BPB/EWW)</td> <td>Post-industrial economy</td> <td>Economic development and Quality of Life</td> </tr> <tr> <td>D (JGG/CLH)</td> <td>Tourism</td> <td>Regional differences in the UK</td> </tr> </tbody> </table>	Option Block	Theme 1	Theme 2	A (KPC/BPB)	Manufacturing industry and economic development	Regional differences in the UK	B (JGG/DVP)	TNC and industrial development	Transport in the UK	C (BPB/EWW)	Post-industrial economy	Economic development and Quality of Life	D (JGG/CLH)	Tourism	Regional differences in the UK
Option Block	Theme 1	Theme 2														
A (KPC/BPB)	Manufacturing industry and economic development	Regional differences in the UK														
B (JGG/DVP)	TNC and industrial development	Transport in the UK														
C (BPB/EWW)	Post-industrial economy	Economic development and Quality of Life														
D (JGG/CLH)	Tourism	Regional differences in the UK														
GCSE Science Foundation:	<p>Biology</p> <ul style="list-style-type: none"> • Ruler drop experiment • Endocrine system • Menstrual cycle hormones • Diabetes <p>Chemistry</p> <ul style="list-style-type: none"> • Rate of Reaction --> collecting gas • Chromatography <p>Physics</p> <ul style="list-style-type: none"> • Mass and weight • Velocity time graphs (speed time graphs) and acceleration • Terminal velocity 															
GCSE Science Higher	<p>Biology</p> <ul style="list-style-type: none"> • Ruler drop experiment • Reflex arc and synapses • Endocrine system • Menstrual cycle <p>Chemistry</p> <ul style="list-style-type: none"> • Chromatography • Rates of reaction practical's - using data - graphs - drawing tangents - Collision theory to explain changes in rate. <p>Physics</p> <ul style="list-style-type: none"> • Terminal velocity 															

	<ul style="list-style-type: none"> • Velocity time graphs (speed time graphs) and acceleration • Newton's Law
Separate (Triple)Science)	<p>Biology (14 December)</p> <ul style="list-style-type: none"> • Insulin and Diabetes • Menstrual Cycle • Investigating reaction times <p>Chemistry (7 December)</p> <ul style="list-style-type: none"> • Crude oil and Fractional Distillation • Combustion and Cracking • Strong and weak Acids • Titrations - concentration calculation • Energy changes - bond energy calculations <p>Physics (7 December)</p> <ul style="list-style-type: none"> • Work done • Velocity time graphs (speed time graphs) and acceleration • Free body force diagrams and resultant forces
Child Development	<ol style="list-style-type: none"> 1. Development of the foetus 2. Antenatal tests and checks 3. Reproductive systems 4. Birthing options 5. Pre-conception health
Health and Social Care	<ol style="list-style-type: none"> 1. Rights of the service user 2. Importance of maintaining rights 3. Values of Care 4. Importance of applying Values of Care
Textiles	Students will complete a key piece of textiles as part of their coursework over a number of lessons during the assessment weeks. Students can decide on the piece. A wide range of techniques must be included and the piece needs to be of high quality.
Food	<ul style="list-style-type: none"> • Food Hygiene and safety • Food spoilage • Food storage • Food commodities- milk, cheese, meat & eggs.
French	<p>Family and Relationships</p> <p>Free time, sport, and media (including TV, film, music, and social media)</p> <p>Global issues</p> <p>Healthy Living</p>

	Home and Local Area School and future careers
German	Customs and Festivals Family Home and Town Jobs Travel and Tourism School
Spanish	Theme 1 - Identity and Culture <ul style="list-style-type: none"> • Unit 1 - Me, my family, and friends • Unit 2 - Technology in everyday life • Unit 4 - Customs and festivals Theme 2 - Local, national, international and global areas of interest <ul style="list-style-type: none"> • Unit 5 - Home, town, neighbourhood and region • Unit 6 - Social issues • Unit 7 - Global issues • Unit 8 - Travel and tourism
Business Studies	<ul style="list-style-type: none"> • 3.1 Business in the Real World • 3.2 Influences on Business
History	The Battle of Hastings Towns and Villages Church reforms, including monastic reform