

Teacher Assessed Grades

Topics and Timetable



Biddick
Academy

English Literature and Language

The topics that <i>may</i> appear on your TAG assessment	The topics that will not appear on your TAG assessment
<p>English Language Paper 1, Section A and B covering: Read a fiction extract</p> <p>Q1 - Information retrieval</p> <ul style="list-style-type: none"> List 4 things about a specified focus (e.g. character or setting) <p>Q2 - Language Analysis</p> <ul style="list-style-type: none"> Look at a section of an extract. Explain how the writer uses language for effect. <p>Q3 - Structure Analysis</p> <ul style="list-style-type: none"> Look at the full extract. Explain how the writer uses structure to interest the reader. <p>Q4 - Evaluation</p> <ul style="list-style-type: none"> Look at a section of an extract. You will be given a statement to respond to. Evaluate the writer's methods and how successfully they are used to create effects. <p>Q5 - Creative Writing</p> <ul style="list-style-type: none"> You will be given two questions. You only answer one question. You will be asked to write a descriptive or narrative piece. 	<p>There will be no Paper 2 Assessment There will be no Spoken Language Assessment</p>
<p>English Literature</p> <p>Macbeth Essay</p> <ul style="list-style-type: none"> This is an extract based question. You need to write about how the theme of masculinity is presented in the extract and elsewhere in the text. <p>A Christmas Carol Essay</p> <ul style="list-style-type: none"> This is an extract based question. You need to write about how warnings that are given in the extract and elsewhere in the text. <p>An Inspector Calls Essay</p> <ul style="list-style-type: none"> You will not be given an extract. You will be given two questions to choose from – you only need to complete one question. You need to revise the character of Sheila and the theme of social class. 	<p>There will be no assessment of poetry.</p>

Maths - Foundation

The topics that *may* appear on your TAG assessment

Unit 1 – Number:

- Ordering positive and negative integers and decimals
- Factors, multiples, highest common factor and lowest common multiple
- Product of prime factors
- Rounding and estimation
- Converting between fractions, decimals and percentages
- Place value
- Fractions and percentages of amounts
- Increase and decrease by a given fraction or percentage
- Calculating percentage change
- Fraction calculations including proper, improper and mixed
- Standard form
- Index laws
- Number properties
- Problems involving time

Unit 2 – Algebra:

- Coordinates
- Function machines
- Linear sequences and nth term
- Algebraic simplification of like terms
- Expansion and factorisation of expressions
- Solving linear equations
- Algebraic substitution
- Rearranging formulae to make the subject
- Plotting, reading and interpreting graphs
- The equation of a linear graph $y = mx + c$

Unit 3 – Ratio, Proportion and Rates of Change:

- Expressing ratios as fractions and writing ratios in the form 1:n
- Ratio and proportion

Unit 4 – Geometry and Measures:

- Reflections
- Angle rules, angles in parallel lines and exterior/interior angles in polygons
- Perimeter
- Congruent triangles
- Volume of prisms
- Trigonometry
- Column vectors
- Pythagoras' Theorem
- Area and circumference of circles

Unit 5 – Probability and Statistics:

- Simple probability and probability tree diagrams
- Pictograms
- Two-way tables
- Conversion graphs
- Bar charts
- Combinations/possibilities
- Venn diagrams

The topics that will **not** appear on your TAG assessment

- Transformations
- Bearings
- Constructions
- Iteration
- Exponential Functions
- Regions
- Velocity-Time Graphs
- Plans and Elevations

Maths - Higher

The topics that <i>may</i> appear on your TAG assessment	The topics that will not appear on your TAG assessment
<p><u>Unit 1 – Number:</u></p> <ul style="list-style-type: none"> • Fraction calculations including proper, improper and mixed • Calculating percentage change • Standard form • Index laws • Surds • Factors, multiples, highest common factor and lowest common multiple • Product of prime factors • Reverse percentages • Converting recurring decimals into fractions <p><u>Unit 2 – Algebra:</u></p> <ul style="list-style-type: none"> • Linear sequences and nth term • Finding the nth term of a quadratic sequence • Identifying reciprocal, cubic, linear and quadratic graphs • Equation of parallel and perpendicular lines • Equation of a circle • Rearranging formulae to make the subject • Inverse and composite functions • Plotting, reading and interpreting graphs • Algebraic fractions • The equation of a linear graph $y = mx + c$ • Completing the square • Transformation of functions • Algebraic proof <p><u>Unit 3 – Ratio, Proportion and Rates of Change</u></p> <ul style="list-style-type: none"> • Expressing ratios as fractions and writing ratios in the form 1:n • Ratio and proportion • Speed and density • Direct and inverse proportion • Compound interest and depreciation <p><u>Unit 4 – Geometry and Measures</u></p> <ul style="list-style-type: none"> • Congruent triangles and Similar shapes • Angle rules, angles in parallel lines and exterior/interior angles in polygons • Volume of prisms • Vectors • Area and circumference of circles and sectors • Trigonometry • Vectors • Pythagoras' Theorem • Area and circumference of circles • Further Trigonometry • Volume of 3D Objects <p><u>Unit 5 – Probability and Statistics</u></p> <ul style="list-style-type: none"> • Stem and leaf diagrams • Cumulative frequency and boxplots • Probability • Sampling, capture and recapture • Venn diagrams • Combinations/possibilities • Histograms • Probability trees 	<ul style="list-style-type: none"> • Transformations • Bearings • Constructions • Iteration • Exponential Functions • Regions • Velocity-Time Graphs • Plans and Elevations

Biology

The topics that <i>may</i> appear on your TAG assessment	The topics that will not appear on your TAG assessment
<p>Biology Paper 1:</p> <p>4.1 Cell Biology: Cell structure Cell cycle Stem Cells Diffusion/Osmosis/Active transport Microscopy- <i>required practical</i> Osmosis - <i>required practical</i></p> <p>4.2 Organisation: Digestive system Circulatory system Respiratory system Life style and health Plant tissues and organs Enzymes and the effect of pH or temperature - <i>required practical</i> Food tests for starch, glucose and protein - <i>required practical</i></p> <p>4.3 Infection and Response: Communicable diseases and pathogens Immune system and immunity Development of drugs Plant diseases</p> <p>4.4 Bioenergetics: Respiration in animals, plants and yeast. Photosynthesis Factors affecting Photosynthesis - <i>required practical</i></p> <p>Biology Paper 2:</p> <p>4.5 Homeostasis and Response: Nervous system Endocrine (hormonal) system Testing reflexes - required practical</p> <p>4.6 Inheritance, Variation and Evolution: Meiosis</p> <p>4.7 Ecology: Abiotic and Biotic Adaptations Carbon Cycle Deforestation Species distribution - required practical</p> <p>Additional Triple Science content:</p> <p>Biology Paper 1: Culturing microorganisms - required practical Monoclonal Antibodies</p> <p>Biology Paper 2:</p> <ul style="list-style-type: none"> Theory of evolution Thermoregulation Water balance The Brain The Eye Plant hormones Structure of DNA Mendel Cloning Speciation Decomposition - required practical Impact of environmental change Trophic levels Food production and farming techniques Fisheries Biotechnology 	<p>Biology Paper 1: All content may appear on your exam</p> <p>Biology Paper 2:</p> <p>4.6 Inheritance, Variation and Evolution: DNA and the Genome Genetic Inheritance Natural Selection Evolution Selective Breeding Genetic Engineering Extinction Classification of Living</p> <p>4.7 Ecology: Water Cycle</p>

Chemistry

The topics that <i>may</i> appear on your TAG assessment	The topics that will not appear on your TAG assessment
<p>Chemistry Paper 1:</p> <p>5.1 Atomic Structure and Periodic table: A simple model of the atom symbols relative atomic mass electronic charge and isotopes Protons, neutrons, electrons</p> <p>5.2 Bonding and Properties: Bonding structure, and the properties of matter Ionic bonding Covalent (small simple and giant) Metallic Graphene, fullerene</p> <p>5.3 Quantitative Chemistry: Chemical measurements, conservation of mass and the quantitative interpretation of chemical equations Calculating Ar and Mr Reacting amounts</p> <p>5.4 Chemical Changes: Reactivity of metals Displacement reactions. Reactions with water and acid Preparing salts – <i>required practical</i> Weak and strong acids Electrolysis In both molten and aqueous electrolytes - <i>Required practical</i></p> <p>5.5 Energy changes: Reaction profiles</p> <p>Chemistry Paper 2:</p> <p>5.6 The rate and extent of chemical change: Factors affecting rate Experimental procedure – <i>required practical</i> Reversible reaction</p> <p>5.7 Organic chemistry: Alkanes Fractional distillation</p> <p>5.8 Chemical analysis: Chromatography Formulations Water – <i>required practical</i> Identification of common gases</p> <p>5.9 Chemistry of the atmosphere: Current atmosphere History of atmosphere Global Warming and atmospheric pollutants</p> <p>5.10 Using resources: Finite resources Potable water. <i>Required practical</i> Water treatment LCA</p> <p>Additional Triple Content:</p> <p>Chemistry Paper 1: Transition metals Nanoparticles Titration and calculations Percentage yield and atom economy</p> <p>Chemistry Paper 2: Reactions of alkenes and alcohols Esters Synthetic and natural occurring polymers Identification of ions Using materials: Iron, alloy, ceramics, composites Haber process</p>	<p>Chemistry Paper 1:</p> <p>5.5 Energy changes: Energy calculations (HT only)</p> <p>Chemistry Paper 2: All content may appear on your exam</p> <p>Chemistry Paper 1 Triple only: Fuel cells</p>

Physics

The topics that <i>may</i> appear on your TAG assessment	The topics that will not appear on your TAG assessment
<p>Physics Paper 1:</p> <p>6.1 Energy: Energy stores and transfers GPE, Kinetic energy, Elastic Potential Energy, Power Efficiency Energy Sources</p> <p>6.2 Electricity: Circuits Charge, Current, Potential difference, Resistance AC/DC Power National Grid Resistance in a wire - <i>required practical</i> I-V characteristics - <i>required practical</i></p> <p>6.3 Particle Model: Particle model Density Internal energy Specific heat capacity Specific latent heat Particle motion in gases Density - <i>required practical</i></p> <p>6.4 Atomic Structure Radioactivity: Structure of the atom Development of the atom Alpha particle scattering experiment Radioactive decay Radiation: Alpha, beta, gamma Nuclear equations Half life</p> <p>Physics Paper 2:</p> <p>6.5 Forces: Scalar and vector Contact and non-contact forces Resultant forces Work done Elastic potential Velocity Distance time relationships Velocity time graphs Force= mass x acceleration - <i>required practical</i> Stopping distance = reaction time + braking distance Momentum (HT only) Hooke's law - <i>required practical</i></p> <p>6.6 Waves: Transverse and longitudinal Properties of waves Ripple tank - <i>required practical</i> Waves in a solid - <i>required practical</i></p>	<p>Additional Triple Content:</p> <p>Physics Paper 1: Thermal Insulators Static charge Electric Fields Pressures in gases Nuclear fission and fusion Conservation of momentum</p> <p>Physics Paper 2: Reflection of waves - <i>required practical</i> Sound Waves Waves for detection and exploration Lenses Visible light Black body radiation Uses of electromagnetic spectrum Loudspeakers Induced potential Uses of the generator effect Microphones Transformers Electromagnetic spectrum</p> <p>4.8 Space: Solar System Life cycle of a star Orbital motion, natural and artificial satellites Red Shift</p> <p>Physics Paper 1: All content may appear on your exam</p> <p>Physics Paper 2: 6.7 magnetism and Electromagnetism: Magnetic fields Electromagnetism Flemings left hand rule (HT only) Electric motors (HT only)</p>

History

The topics that <i>may</i> appear on your TAG assessment	The topics that will not appear on your TAG assessment
<p><u>Crime & Punishment:</u></p> <p>Medieval England 1000 – 1500</p> <ul style="list-style-type: none">• Crime• Punishment• Law Enforcement <p>Early-Modern England 1500 – 1700</p> <ul style="list-style-type: none">• Crime• Punishment• Law Enforcement <p>Modern Britain 1700 – 1900</p> <ul style="list-style-type: none">• Crime• Punishment• Law Enforcement <p>Modern Britain 1900 – present</p> <ul style="list-style-type: none">• Crime• Punishment• Law Enforcement <p>Whitechapel</p> <ul style="list-style-type: none">• Links between poverty and crime• Policing Whitechapel• The role of the press <p><u>Nazi Germany</u></p> <p>How did Hitler become Chancellor?</p> <ul style="list-style-type: none">• Weaknesses of Weimar, effects of the Wall Street Crash, Propaganda, violence and intimidation, backstairs intrigue <p>How did Hitler Establish a Dictatorship?</p> <ul style="list-style-type: none">• Reichstag Fire, Enabling Act, Night of the Long Knives, Terror State <p>What was life like in Nazi Germany?</p> <ul style="list-style-type: none">• Young people, women, workers, Jews and minorities	<p>Anglo-Saxon & Norman England</p> <p>Weimar Germany</p>

Geography

The topics that <i>may</i> appear on your TAG assessment	The topics that will not appear on your TAG assessment
<ul style="list-style-type: none">• The Challenge of Hazards (Tectonic hazards, climate hazards, climate change)• Urban Issues (Mumbai, Newcastle, Sustainable urban living) Economic World (Development, Nigeria economy, UK economy)• Living World	<ul style="list-style-type: none">• Resource management• Coasts• Paper 3 – Fieldwork• Physical Landscapes of the UK (Glaciation and Rivers)

French

The topics that <i>may</i> appear on your TAG assessment	The topics that will not appear on your TAG assessment
<p>Reading, listening and writing covering:</p> <p><u>Theme 1</u></p> <p>Topic 1: Me, my family and friends</p> <ul style="list-style-type: none">• Relationships with family and friends• Marriage/partnership <p>Topic 2: Technology in everyday life</p> <ul style="list-style-type: none">• Social media• Mobile technology <p>Topic 3: Free-time activities</p> <ul style="list-style-type: none">• Music• Cinema and TV• Food and eating out• Sport <p><u>Theme 2</u></p> <p>Topic 1: Home, town, neighbourhood and region</p> <p>Topic 2: Social issues</p> <ul style="list-style-type: none">• Charity/voluntary work• Healthy/unhealthy living <p>Topic 3: Global issues</p> <ul style="list-style-type: none">• The environment• Poverty/homelessness <p>Topic 4: Travel and tourism</p> <p><u>Theme 3</u></p> <p>Topic 1: My studies</p> <p>Topic 2: Life at school/college</p> <p>Topic 3: Education post-16</p> <p>Topic 4: Jobs, career choices and ambitions</p>	<p>There will be no speaking assessment</p>

Spanish

The topics that <i>may</i> appear on your TAG assessment	The topics that will not appear on your TAG assessment
<p>Reading, listening and writing covering:</p> <p><u>Theme 1</u></p> <p>Topic 1: Me, my family and friends</p> <ul style="list-style-type: none">• Relationships with family and friends• Marriage/partnership <p>Topic 2: Technology in everyday life</p> <ul style="list-style-type: none">• Social media• Mobile technology <p>Topic 3: Free-time activities</p> <ul style="list-style-type: none">• Music• Cinema and TV• Food and eating out• Sport <p><u>Theme 2</u></p> <p>Topic 1: Home, town, neighbourhood and region</p> <p>Topic 2: Social issues</p> <ul style="list-style-type: none">• Charity/voluntary work• Healthy/unhealthy living <p>Topic 3: Global issues</p> <ul style="list-style-type: none">• The environment• Poverty/homelessness <p>Topic 4: Travel and tourism</p> <p><u>Theme 3</u></p> <p>Topic 1: My studies</p> <p>Topic 2: Life at school/college</p> <p>Topic 3: Education post-16</p> <p>Topic 4: Jobs, career choices and ambitions</p>	<p>There will be no speaking assessment</p>

Religious Studies

The topics that <i>may</i> appear on your TAG assessment	The topics that will not appear on your TAG assessment
<p><u>Paper 1 (Christianity)</u></p> <p>Christian Beliefs</p> <ul style="list-style-type: none"> • Good, Evil and Suffering • Salvation and Atonement • Eschatology (beliefs about life after death) • Creation of the World <p>Living the Christian Life (Christian Practices)</p> <ul style="list-style-type: none"> • Celebrating festivals • Importance of sacraments • Evangelism • Forms of worship <p>Marriage and Family</p> <ul style="list-style-type: none"> • Gender and Discrimination • Family Planning • Support of the local parish • Sexual relationships <p>Life and Death</p> <ul style="list-style-type: none"> • Origins of the Universe • Stewardship • Beliefs about life after death • Abortion 	<p><u>Paper 2 (Islam)</u></p> <p>Muslim Beliefs</p> <ul style="list-style-type: none"> • Characteristics of Allah • Al-Qadr (predestination) • Malaikah (angels) • Risalah (prophethood) • Muhammad as a role model <p>Living the Muslim Life (Muslim Practices)</p> <ul style="list-style-type: none"> • Salah (prayer) • Zakah (charity) • Ten Obligatory Acts • Forms of worship (Five Pillars and Ten Obligatory Acts) <p>Peace and Conflict</p> <ul style="list-style-type: none"> • Importance of peace in Islam • Harb al-Maqadis (Holy War) • Weapons of Mass Destruction in Islam • Just War Theory <p>Crime and Punishment</p> <ul style="list-style-type: none"> • Justice • Treatment of criminals / forgiveness • Punishment in Islam • Capital Punishment
	<p><u>Paper 1 (Christianity)</u></p> <ul style="list-style-type: none"> • The Trinity • Incarnation • Solutions to evil and suffering • Pilgrimage • Future of the Church • The worldwide Church • Support for families • Divorce • Sanctity of life • Euthanasia • Animal rights <p><u>Paper 2 (Islam)</u></p> <ul style="list-style-type: none"> • Kutub (holy books) • Sawm (fasting) • Hajj • Celebrations and commemorations • Attitudes towards conflict • Pacifism • Issues surrounding conflict • Crime in society • Good, evil and suffering in Islam

Music

The topics that <i>may</i> appear on your TAG assessment	The topics that will not appear on your TAG assessment
<p>Listening and understanding music</p> <p>AOS 1 – Western Classical Music Baroque, Classical, Romantic, 20th Century</p> <p>AOS 2 – Popular Music Rock and Pop 1950’s – present Musicals, Film</p> <p>AOS 3 – Traditional Music Blues, Jazz(Machine Gun), African, Indian, Folk, Caribbean</p> <p>AOS 4 - Western Classical since 1910 Contemporary, experimental, minimalist</p> <p><u>Musical Elements</u></p> <ul style="list-style-type: none">• Melody• Tonality• Structure• Texture• Timbre (Sonority)• Tempo• Metre• Rhythm• Harmony	<p>Set Work – Haydn The Clock</p> <p>Set Works – The Beatles – With A Little Help, Within You Without You, Lucy In The Sky With Diamonds</p>

Computer Science

The topics that <i>may</i> appear on your TAG assessment	The topics that will not appear on your TAG assessment
<p data-bbox="63 332 588 361"><u>Component 01 – Systems Architecture</u></p> <ul data-bbox="63 372 428 629" style="list-style-type: none">• Systems Architecture• CPU components• Memory & storage• Networks• System security• System software• Ethical, legal issues <p data-bbox="63 675 843 704"><u>Component 02 – Programming & Computational Thinking</u></p> <ul data-bbox="63 715 512 972" style="list-style-type: none">• Algorithms• Programming techniques• Boolean Logic• Binary arithmetic• Hex• Sound and images as binary• Types of languages	<p data-bbox="1179 332 1472 404">SQL Scripting/Coding Protocols & layers</p>

Easter Revision Sessions

Monday 29 th March	Tuesday 30 th March	Wednesday 31 st March	Thursday 1 st April	Friday 2 nd April
<p>Maths – Higher - Mr Knowles (8.30-10.30)</p> <p>Maths – Foundation - Mr Knowles (11.00-12.30)</p> <p>Science – Chemistry Triple (10:45am – 12:30pm) Mrs Gardner</p>	<p>Textiles - Miss Robotham (10.00-14.00)</p> <p>English - Mr Brown (9.30 – 12.00)</p> <p>Spanish – Mr Dodds (10.00-14.00)</p> <p>French – Mrs Lessels (9.00-12.30)</p>	<p>Textiles - Miss Robotham (10.00-14.00)</p> <p>English - Mrs Henry (9.30 – 12.00)</p> <p>English - Mrs Hogg (9.30-12.00)</p>	<p>English - Mrs Hogg (9.30-12.00)</p>	
<p>Textiles - Miss Robotham (10.00-14.00)</p> <p>Science – Chemistry Trilogy (1:00pm – 2:30pm) Mrs Gardner</p>				
Monday 5 th April	Tuesday 6 th April	Wednesday 7 th April	Thursday 8 th April	Friday 9 th April
	<p>Spanish – Mr Dodds (10.00-14.00)</p>	<p>Science – Foundation - Ms Hopper (10:00am – 12:00pm) Chemistry – Atomic Structure</p> <p>Science – Higher - Mr Gwilliam (9:00am – 10:30am) Energy and forces, Bonding and electrolysis and Heart and digestion</p>		
		<p>Science – Foundation - Ms Hopper – (12:30pm – 2:30pm) Biology – Homeostasis and response.</p>		

TAG Assessments Timetable A side

TAG Mock Exams - Form Groups 11a/b/c/d					
Date	Period 1	Period 2	Period 3	Period 4	Period 5
Mon 19 April	Maths			RE (Option A)	Computer Science (Option B)
Tues 20 April	English	Maths	History	RE History (Option A)	French/Spanish RE (Option C)
Wed 21 April	Maths			Biology	French/Spanish RE (Option C)
Thurs 22 April	English	Maths	History RE (Option A)	Chemistry	
Fri 23 April	History	RE French/Spanish (Option C)		Physics	
Mon 26 April				History RE Music (Option A)	Computer Science Music (Option B)
Tues 27 April			Geography	Biology	RE (Option C)
Wed 28 April			History		
Thurs 29 April	English		History (Option A)	Chemistry	
Fri 30 April	History Geography			Physics	

Option A
RE - 11A/RE
History - 11A/Hi
Music - 11A/Mu

Option B
Computer Science - 11B/Cs
Music - 11B/Mu

Option C
French - 11C/Fr
Spanish - 11C1/C2Sp
RE - 11C/RE

TAG Assessments Timetable B side

TAG Mock Exams - For Form Groups 11e/f/g/h

Date	Period 1	A /B side or option block	Period 2	A /B side or option block	Period 3	A /B side or option block	Period 4	A /B side or option block	Period 5	A /B side or option block
Mon 19 April	Maths English	A side B side	Maths	B side	History	B side	RE	Option A	Computer Science	Option B
Tues 20 April	Maths English	B side A side	Maths	A side	History	A side	RE History	Option A	French/Spanish Writing RE	Option C
Wed 21 April	Maths English	A side B side	Maths	B side	Biology	B side	History Biology	B side A side	French/Spanish Reading RE	Option C
Thurs 22 April	Maths English	B side A side	Maths	A side	History RE	Option A	Chemistry	A side	Chemistry	B side
Fri 23 April	History	A side	RE French/Spanish Listening	Option C			Physics	A side	Physics	B side
Mon 26 April					Geography	B side	History RE Music	Option A	Computer Science Music	Option B
Tues 27 April					Geography Biology	A side B side	History Biology	B side A side	RE	Option C
Wed 28 April					History	A side	History Geography	B side		
Thurs 29 April	English	A side	English	B side	History	Option A	Chemistry	A side	Chemistry	B side
Fri 30 April	History Geography	A side					Physics	A side	Physics	B side

Option A
RE - 11A/RE
History - 11A/Hi
Music - 11A/Mu

Option B
Computer Science - 11B/Cs
Music - 11B/Mu

Option C
French - 11C/Fr
Spanish - 11C1/C2Sp
RE - 11C/RE