

QMGs Key Stage 4 Curriculum Topics 2021-22



Academically-Ambitious and Accessible to All

Queen Mary's Grammar School believes that the Quality of Education experienced by students is driven by a curriculum in its broadest sense: the entirety of a student's learning experience, in lessons and beyond. We aim to design and embed a curriculum that is planned and sequenced to develop in our highly academic students the knowledge and skills necessary for their future roles in society, while ensuring that the balanced curriculum offer is accessible to all.

Subject	Year 10	Year 11
Art	<p>Portfolio for coursework</p> <p>Learners will produce work in response to a chosen starting point, brief, scenario or stimulus. From this a portfolio of practical work is developed to show progression of ideas and influence towards a final outcome/response.</p> <p>Work is produced individually in class and at home to build a portfolio which covers, and is marked against the 4 assessment objectives.</p> <ul style="list-style-type: none"> • (AO3) Excellent recording of ideas, observations and insights showing sophisticated links to intention. Pupils will produce a series of direct observational drawings showing their understanding of colour, line, form, tone & texture. Pupils use secondary and primary sources to produce a variety of initial observations surrounding their chosen project theme/title. They will explore with a variety of medias at this initial stage of their individual projects. • Possible title that pupils will be able to select from are; Natural forms, Structures, Anatomy, Interesting characters and Layers. Pupils will select one of these five titles to use as a starting point and theme for their coursework projects. • (AO1) Artist Research. Pupils ideas are developed with sophisticated reference to chosen contextual sources, with evidence of perceptive investigation. Pupils will be expected to demonstrate excellent critical understanding of sources linked to their chosen project title. The following point will be covered for this assessment objective; <ol style="list-style-type: none"> 1. Written artist research and analytical review of artwork explored. 	<ul style="list-style-type: none"> • Developing of AO1 with the exploration of a second artist. • Developing of AO2 with further media experimentation and planning and reviewing techniques for final outcome. • Project work started in year 10 will be concluded into a final outcome after February half term. This covers (AO4) A personal response with sophisticated realisation of intentions. Understanding of visual language, applying formal elements, is perceptive and sophisticated. <ol style="list-style-type: none"> 1. From September to December pupils will be working on the completion of their Artist resource boards 2. From December to February pupils will be working on AO2 which focuses on the experimentation of final outcome ideas, medias to demonstrate clear development of ideas. 3. From February to April pupils will produce a final outcome based on their coursework development and artist inspirations. <p>All work will be mounted onto display boards and presented to be marked and moderated after the in May. Marks are then submitted to OCR and await candidate selection for moderation.</p> <p>Coursework will be externally moderated with an exhibition to present selected work.</p>

QMGS Key Stage 4 Curriculum Topics 2021-22



	<p>2. Confident reproduction piece created from one of the artist pieces.</p> <p>3. Experimental pieces linked to the artist's techniques and project title (own response).</p> <ul style="list-style-type: none"> • (AO2) This assessment objective of experimenting with new materials will be demonstrated through the use of different medias throughout year 10. Sophisticated refinement with perceptive selection of media, materials, techniques and processes will also be covered through the exploration of different artists work where different medias will be explored and experimented with further. <p>By the end of year 10 pupils will have a minimum of 4 coursework boards mounted partially meeting AO1, 2 and 3 objectives.</p>	
Biology	<ul style="list-style-type: none"> • 1. Cell biology • 2. Organisation • 3. Infection and response • 4. Bioenergetics • 5. Homeostasis and response <p>Note – some parts of the curriculum are covered in Y9 due to the reduced number of lessons for GCSE science in year 10/11</p>	<ul style="list-style-type: none"> • 6. Inheritance, variation and evolution • 7. Ecology • 8. Key ideas
Business	<p>Investigating small business:</p> <ul style="list-style-type: none"> • Topic 1.1 Enterprise and entrepreneurship • Topic 1.2 Spotting a business opportunity • Topic 1.3 Putting a business idea into practice • Topic 1.4 Making the business effective <p>Topic 1.5 Understanding external influences on business</p>	<p>Building a business:</p> <ul style="list-style-type: none"> • Topic 2.1 Growing the business • Topic 2.2 Making marketing decisions • Topic 2.3 Making operational decisions • Topic 2.4 Making financial decisions <p>Topic 2.5 Making human resource decisions</p>
Chemistry	<ol style="list-style-type: none"> 1. Atomic structure and the periodic table 2. Bonding, structure, and the properties of matter 3. Quantitative chemistry 4. Chemical changes 5. Energy changes 	<ol style="list-style-type: none"> 6. The rate and extent of chemical change 7. Organic chemistry 8. Chemical analysis 9. Chemistry of the atmosphere 10. Using resources

QMGS Key Stage 4 Curriculum Topics 2021-22



		Lessons in both Year 10 and 11 cover theory and practical work, encouraging the development of knowledge and understanding in science by working scientifically. This is achieved by development of: scientific thinking, experimental skills and strategies, analysis and evaluation, and the use of scientific vocabulary, quantities, units, symbols, and nomenclature.
Computer Science	<p>Unit 1 Systems Architecture (1.1) Memory and Storage (1.2) Systems software (1.5)</p> <p>Unit 2 Algorithms (2.1) Programming fundamentals (2.2)</p>	<p>Unit 1 Computer Networks (1.3) Computer Network Security (1.4) Ethical, legal and Cultural Impacts of digital technology. (1.5)</p> <p>Unit 2 Boolean logic (2.4) Programming languages and Integrated development environments (2.5) Producing robust programs (2.3)</p>
Design & Technology	<p>The core content:</p> <ul style="list-style-type: none"> • Woods • Metals • Plastics • Electronics • Textiles • Paper and board • New and emerging technologies • Sustainability • Designers and companies <p>The SoW is available as a separate document.</p> <p>Each core content module is tackled through a design and make project with associated theory content and homework.</p> <p>Current projects:</p>	<p>The year 11 DT curriculum is split up into 3 keys elements:</p> <p>1. NEA</p> <p>An iterative design challenge that should take up about 40 hours of genuine working time for the students in lessons (and with some homework)</p> <p>This will test the students ability to:</p> <ul style="list-style-type: none"> • Identify problems within a context • Collect relevant research data • Produce a range of creative design ideas through sketching, models or CAD • Evaluate their work as it progresses • Plan and make a prototype model • Present the NEA as a formal document <p>NB: Summer 2021: There are key changes introduced by OPFQUAL and AQA for Summer 2021 only. “No final practical piece is expected”.</p>

QMGS Key Stage 4 Curriculum Topics 2021-22



	<ul style="list-style-type: none"> • Chopping Board (WOOD) • Speaker (electronics) • Product Models (polymers) • Book stand (polymers) • Candle Holder (metal) • Contextual Challenge: Preparation for the year 11 NEA <p>Graphics is taught through each project:</p> <ul style="list-style-type: none"> • Sketching • Isometric • Perspective • Oblique • Exploded views • Sectional views • Orthographic projection 	<p>2. POLYMERS</p> <p>Having studied the “CORE CONTENT” in year 10 classes study ONE specialist extension option. At QMGS we choose to study polymers</p> <p>This is done through regular theory lessons, regular theory homeworks and products analysis</p> <p>3. REVISION</p> <p>The work covered in year 10 (and at KS3) will be revisited on a regular basis. The regular forms tests will revisit knowledge taught in previous years and lessons.</p>
<p>English Language</p>	<p>Component 1 Reading: unseen fiction</p> <p>Component 1: Writing: creative writing</p> <p>Component 2: Reading unseen non-fiction</p> <p>Component 2: Transactional writing</p>	<p>English Language:</p> <p><i>Complete Component 2</i></p> <p><i>Mock exam: Nov 16-24</i></p> <p><i>Revision of Component 1</i></p> <p><i>Wider reading</i></p> <p><i>Where possible, external speakers/events/activities to aid recovery, retrieval and boost engagement</i></p> <p><i>Speaking and listening endorsement (March)</i></p> <p><i>Revision of C1 and C2 prior to examinations</i></p> <p><i>Support programme for identified students/drop-in sessions</i></p>

QMGS Key Stage 4 Curriculum Topics 2021-22



<p>English Literature</p>	<p><i>Post 1914 prose/Drama: Lord of the Flies by William Golding</i> <i>Macbeth by William Shakespeare</i> <i>Poetry from 1789 to present day: 8/18 poems from anthology</i></p>	<p><i>Baseline testing</i> <i>Jekyll and Hyde</i> <i>Mock exam: Nov 16-24</i> <i>Unseen poetry unit</i> <i>Where possible, external speakers/events/activities to aid recovery, retrieval and boost engagement</i> <i>Revision of Macbeth and J&H prior to examinations</i> <i>Revision of LotF prior to examinations</i> <i>Support programme for identified students/drop-in sessions</i></p>
<p>French</p>	<ul style="list-style-type: none"> • Topic coverage 1-12 at Foundation Level Family/technology/free-time activities/customs and festivals/home town/charity work/environment and poverty/holidays/current and future study/life at school/university or work/careers and topics 1-3 at Higher Level – family/technology/free-time. • Tenses covered - present (regular er/ir/re, irregular, reflexive)/near future/perfect/imperfect/perfect/future/conditional. • Two-verb structures. Negatives/questions. • Adjectives – agreement and position. • Pronouns: subject/direct/indirect object/disjunctive/possessives/position. • Listening/Reading/Writing/Speaking skills practised in class, together with translation into and out of the target language. • Role-plays, photocards and general conversation form the speaking exam. 	<ul style="list-style-type: none"> • Topic coverage 1-12 at Higher Level (1-3 covered in Y10) Family/technology/free-time activities/customs and festivals/home town/charity work/environment and poverty/holidays/current and future study/life at school/university or work/careers. • Tenses covered by end of Y11 - present (regular, irregular, reflexive, impersonal verbs)/immediate future/imperfect/perfect/future/conditional, including irregulars in all tenses plus pluperfect/present subjunctive + key uses – for recognition purposes. The passive with être. Imperatives for use and recognition. • Two-verb structures. Negatives/questions. • Adjectives – agreement and position • Pronouns: subject/direct/indirect object/disjunctive/possessives + position. • Listening/Reading/Writing and Speaking all practised in class. • Role-plays, photocards and general conversation form the speaking exam.
<p>Geography</p>	<p>1. Challenges of Natural Hazards</p> <ul style="list-style-type: none"> - Tectonic hazards - Climatic hazards - Extreme weather in the UK 	<p>5. Urban Issues and Challenges</p> <ul style="list-style-type: none"> - Urbanisation - Mumbai - Birmingham

QMGS Key Stage 4 Curriculum Topics 2021-22



	<ul style="list-style-type: none"> - Climate Change <p>2. Economic World</p> <ul style="list-style-type: none"> - Nigeria - UK economy <p>3. UK Physical Landscapes</p> <ul style="list-style-type: none"> - Rivers - Glaciers <p>4. Rivers Fieldwork</p> <ul style="list-style-type: none"> - Changing river profile 	<ul style="list-style-type: none"> - Sustainable cities <p>6. Urban fieldwork</p> <ul style="list-style-type: none"> - Birmingham (Big City Plan) <p>7. Living World</p> <ul style="list-style-type: none"> - Tropical rainforests - Hot Deserts <p>8. Challenge of Resource Management</p> <ul style="list-style-type: none"> - UK food, water and energy - Energy <p>9. Issue Evaluation and skills</p> <ul style="list-style-type: none"> - (Released 12 weeks prior to exam)
History	<p>Paper 1, Understanding the Modern world:</p> <p>1. Germany 1890–1945: Democracy and dictatorship</p> <p>Part one: Germany and the growth of democracy Part two: Germany and the Depression Part three: The experiences of Germans under the Nazis</p> <p>2. Conflict and tension between East and West, 1945–1972</p> <p>Part one: The origins of the Cold War</p> <p>Part two: The development of the Cold War</p> <p>Part three: Transformation of the Cold War</p> <p>Will have started the first section of Paper 2, Shaping the Nation, by the end of the year</p>	<p>Paper 2, Shaping the Nation, thus completing the course. This includes the Historic Environment which is part of Paper 2.</p> <p>1. British depth study: Elizabethan England, c1568–1603</p> <p>Part one: Elizabeth's court and Parliament Part two: Life in Elizabethan times Part three: Troubles at home and abroad</p> <p>2. Thematic studies: Britain: Health and the people: c1000 to the present day</p> <p>Part one: Medicine stands still</p> <p>Part two: The beginnings of change</p> <p>Part three: A revolution in medicine</p>
Mandarin Chinese	<p>A. Travel and tourism</p> <ul style="list-style-type: none"> • Weather + climate 	<p>A. Healthy living</p> <ul style="list-style-type: none"> • Diet. food and drinks

QMGS Key Stage 4 Curriculum Topics 2021-22



- Transport, its development and problems
- Booking tickets and hotel
- Holiday activities/eco tourism
- Problems when on holiday
- Other Countries and places

B. Home, town, neighbourhood and region

- House and nearby
- Local amenities & where things are
- Local attractions
- Directions and asking ways
- What to do to improve your area

C. Customs and festivals in Chinese speaking regions

- Traditional festivals and customs
- Festival eating and drinking/eating habit
- Compare western traditions with the Asian ones

D. Technology in everyday life

- TV programme
- Internet
- Mobile phone and social media
- Film and music
- Celebrities and role models

D. School life (GCSE Pathway group)

- Talking about school sites and life
- My studies
- Extra-curricular activities
- Compare education in the UK and China

- Eating in and out
- Healthy and unhealthy living
- Change of lifestyles

B. Education for post-16

- Choosing a course
- Going to colleges and universities + plan
- Overseas study option
- Volunteering and charity work

C. Jobs, career choices and ambitions

- Work experience / Doing a part-time job
- Ideal jobs and future plan
- Applying for a summer job
- Learning a new skill

D. Social issues & Global issues

- Protecting environment / Environmental problems and how to solve them
- poverty and inequality: unemployment/homeless/addiction (mobile; drug; smoking; drinking) /crime rate

Revising all topics to prepare for GCSE Examination

QMGS Key Stage 4 Curriculum Topics 2021-22



	<ul style="list-style-type: none"> School exchanges 	
Maths and Additional Maths	<p>Term 1</p> <p>Expressions</p> <p>Angles and polygons</p> <p>Handling data – histograms</p> <p>Fractions, decimals and percentages</p> <p>Formulae and functions</p> <p>Term 2</p> <p>Transformations of 2D shapes</p> <p>Probability</p> <p>Measures and accuracy</p> <p>Equations and inequalities</p> <p>Circles and constructions</p> <p>Term 3</p> <p>Pythagoras' theorem and trigonometry of non-right-angled triangles</p> <p>Ratio and proportion</p> <p>Factors powers and roots</p> <p>Linear and quadratic graphs</p> <p>The main resource we use is the AQA GCSE Maths Higher textbook, available through Kerboodle and supplemented by drfrostmaths.com. This covers all necessary content required for the GCSE specification. The lessons cover all the fundamental skills so that any gaps in a pupil's knowledge from KS3 are filled.</p> <p>Within each topic there are opportunities for puzzles and extended problems which further challenge the pupils</p> <p>In addition to the above, a third of the cohort also studies the OCR Additional Maths course alongside GCSE Maths. Their scheme of work is designed so that the two courses interleave and complement each other. The course structure is as follows:</p>	<p>Pupils continue to use the same resources as they have done in Year 11. Topics covered this year include:</p> <p>Term 1</p> <p>3D solids</p> <p>Handling data - box plots and cumulative frequency</p> <p>Exact calculations</p> <p>Graphs of reciprocal, trigonometric and exponential functions</p> <p>3D Pythagoras and trigonometry</p> <p>Vectors</p> <p>Term 2</p> <p>Probability</p> <p>Sequences</p> <p>Units and proportionality</p> <p>After finishing the course, teachers work with their own groups re-capping on areas of mathematics that suit their classes.</p> <p>Exam practise is essential, this focusses the pupils on applying the mathematics they know so that they can achieve grades which are suitable for them based on their mathematical ability.</p> <p>Additional Maths content for Year 11:</p> <p>Integration</p> <p>Advanced trigonometric equations including trig identities</p> <p>Exponentials and logarithms</p>

QMGs Key Stage 4 Curriculum Topics 2021-22



	<p>Year 10: Binomial theorem Polynomials and the factor theorem Extension of linear graphs Differentiation</p>	<p>Permutations and combinations Variable acceleration Linear programming</p>
<p>Music</p>	<p><u>Introduction:</u> There are 6 periods a fortnight timetabled for the GCSE music course; In year 10, 2 periods/fortnight are specifically devoted to composition work leaving 4 for the other 2 components, performing and analysis of the 8 set works. In year 11, this can change depending on the classes' progress in each of these 3 areas.</p> <p><u>Performing:</u> A significant proportion of pupils that opt for GCSE usually have an instrumental teacher (private or school) and therefore we have found that we do not need to devote as much lesson time to this area. One 'performance' lesson is scheduled each half term providing the opportunity to monitor pupil's progress and ensure they are on track. Regular discussion also takes place with school instrumental teachers involved with preparing GCSE students. In Year 10, the focus is on developing pupil's general confidence & solo technique/ year 11 the focus is on developing ensemble skills. All pupils that take GCSE music are expected to join at least 1 extra-curricular music club at school. Pupils are also encouraged to play with the Local Music Service ensembles & other community groups.</p> <p><u>Set Works(8)/Listening:</u> Each pupil is given a text book/ Anthology book & pupil project booklet related to each piece. Each set work is analysed in terms of DR SMITH; dynamics, rhythm, structure, melody, instrumentation, texture and harmony. Pupils are</p>	<p><u>TERM 1</u> Performing in year 2 focusses more on preparation for the ensemble component of the exam. 2 dates are set; 1 for the last week of the first half term and 1 for the end of the 2nd half term. On each occasion pupils are expected to prepare a part from an ensemble piece to perform in front of the class. This is a free choice. Pupils are encouraged to start preparing for this element of the course early so pupils are not expected to perform the whole piece at this stage. The first performance is not formally assessed. The second is assessed and this mark goes towards the mock exam grade.</p> <p><u>Composing</u> 1st half term: Review & refine the first major composition started in year 1. <i>(it is this mark that contributes towards the mock overall grade)</i> 2nd half term: discuss the composition briefs set by the board and the demands associated with each. Pupils are encouraged to then select a brief and begin working on it.</p> <p><u>Set work 7 H. Purcell: 'Music for a While'</u> Study of this piece includes the following: a general introduction to Baroque Music, typical characteristics of this period and to the wider music of Purcel/ ground bass/ background to the play Oedipus/ its structure/ relative keys/melodic decoration/ornaments (inc. mordents, trills, grace notes, appoggiaturas)/ word painting/melodic sequences/passing notes/bass viol & harpsichord/ continuo/</p>

QMGS Key Stage 4 Curriculum Topics 2021-22



encouraged to annotate their scores with key points covered in class. Some pupils purchase their own.

Composing: The first term, the focus is on revising basic music theory to ensure all pupils have the required compositional skills to start their first major composition after Christmas. In year 10, all pupils work to a similar brief (theme & variations). Once this is completed, pupils have more freedom to compose in any style of their choice. Pupils are encouraged to attend 'composing club' held at lunchtimes to develop their Sibelius skills. Pupils are encouraged to download the 'free' version of Sibelius First on their home computers.

Assessment

During the course, assessment takes different forms and covers the 3 main areas of the course: performing/composing/set works (listening).

Performing assessments start quite informally with just verbal feedback. After term 1, practical assessments become more formal and tend to be recorded for evidence purposes. Feedback is then given both verbally and in written form.

Composing involves continuous formative assessment; notes on pupil progress are kept on the teachers Ipad.

Set works (8) involve different assessments ranging from informal kahoots quizzes to more formal homework tasks & end of topic tests.

End of term report grades (4-9) are therefore a culmination of performance/composing and listening marks completed during each term.

TERM 1

suspensions/ false relations/ tierce de Picardie/ cadences/ melisma/ syllabic/ conjunct/arpeggio/dissonance/diatonic/ modulation/ dictation type questions relating to the piece (rhythmical and melodic)

Set work 8 Afro Celt Sound System: 'Release' (from the album Volume 2: Release)

Study of this piece includes the following:

Discussion on how the music combines contemporary dance styles with traditional Irish and African music/fusion/ free time/conjunct/pentatonic/reverb/loops/sampling/layering/ostinato/multi track/modal/static harmony/drone/double stopping/synth pad/panning/uilleann pipes/hurdy gurdy/bodhran/synthesizer/drum machine/accordion/malinken language/djembe/talking drum/kora/counter melody/ vocalisation/ heterophony/oral tradition/riffs/ repetition/ dictation type questions relating to the piece (rhythmical and melodic)/

A mock listening exam is set in this term (usually an edited passed exam paper). This is marked using the grade boundaries from that particular year. The result for the listening exam is used alongside a grade for performing and composing to give an overall mock grade for music.

TERM 2/3

Performing

A date and time is set for the final performing exam which is normally in the last week of term before the Easter holiday. Pupils are encouraged however, to arrange a time before that date to relieve some of the exam pressure.

Composing

A deadline date is set for the completion and handing in of all composition work. This is normally a date before the Easter holiday. Composition lessons throughout term 2 consist of ongoing work and verbal feedback on the composition brief.

QMGS Key Stage 4 Curriculum Topics 2021-22



Introduction to the course (lesson 1)

An overview is given of the various requirements in terms of performing/composing and set works.

Performing requirements:

- a solo performance lasting at least one minute and may comprise of one or more pieces
- an ensemble performance lasting at least one minute and may comprise of one or more pieces
- the total performance length of both pieces combined to be at least four minutes
- a score and recording of each performance to be submitted for assessment.

Composing requirements:

- a free composition lasting at least one minute
- a composition to a set brief lasting at least one minute (brief announced in September of year 2)
- the total length of both pieces combined to be at least three minutes
- a score and recording of each composition to be submitted for assessment.

Set work requirements:

Detailed study and analysis of 8 set works leading to a final written/listening exam lasting 1 hr 45 mins.

Lessons 1 & 2. As a way of helping the students to get to know their new classmates, they are set a practical task which involves group discussion.

Task: plan a performance of the 'axis of awesome sheet'. It can use any instruments/voice/be in any style/they can use as much or as little of the sheet as they chose. They have 2 lessons to prepare for a performance to the teacher. This is not formally assessed, but gives the teacher the

Set Work revision

This term (and the remainder of the course in term 3) the focus is on:

- 1) Revision of all the set works. This takes the form of mini tests/completion of listening type questions/ quizzes on kahoot/Mr Vause's audio questions on each set work on the website/other revision activities.
- 2) Focussed essay writing practice (question 9)
- 3) Practice on answering the Dictation questions

Practice on answering questions on previously unseen music.

QMGS Key Stage 4 Curriculum Topics 2021-22



opportunity to evaluate the strengths and weaknesses of the group in terms of performance.

Performing

2 dates are set; typically 1 for the last week of the first half term and 1 for the end of the term. On each occasion pupils are expected to prepare a piece to perform in front of the class. This is a free choice. These first 2 performances are not formally assessed, however verbal feedback is given to each pupil. (Pupils may decide to play the same piece for the 2nd performance/ pupils may choose to play only part of a piece)

Composing

The aim of the first term is to revise basic music theory whilst also introducing some new compositional concepts that will ensure all pupils are ready to begin work on their first 'major composition' after Christmas. The following topics are covered:

- Different clefs (revision of treble clef/bass clef/alto clef)
- Revision of rhythm and time signatures (semibreve, crotchet, quaver, semi quaver and the corresponding rests. Dotted rhythms. Rhythm dictation will be introduced. Compound time signatures and simple time)
- Key signatures (how to name keys inc. major and minor relations. Tones and semitones. Intervals. Modes)
- Triads/ chords and their inversions (inc. primary and secondary triads)
- Cadences
- Discussion on 'what makes a successful melody'. (inc. Phrases, auxillary notes, passing notes)
- How to add a chord sequence to a melody
- Part writing and accompaniment styles for piano (inc. how to write specifically for various instruments including the ones that they play within the group)

QMGS Key Stage 4 Curriculum Topics 2021-22



Towards the end of term 1, pupils should be ready to compose a 16 bar melody using Sibelius software. This forms the basis of a 'Theme & Variation' piece continued in term 2.

Set Work 1 Queen: 'Killer Queen' (from the album *Sheer Heart Attack*)

Study of this piece includes the following:

a general introduction to the structure of pop songs/ the music, style and influence of Queen/general characteristics of rock music/the overall setting of the text is explored/ the difference between melismatic and syllabic writing/ the role of the backing vocals and how they are created (multi tracking, over dubbing) /a knowledge of the piece's structure/guitar techniques and the guitar effects used (distortion, flanger, slide, pitch bend, pull offs, vibrato)/parts of the drum kit/melodic sequences/ the cycle of 5ths harmonic sequence/ extended chords/inversions/ texture (inc monophonic/polyphonic/layered textures. panning/ harmonic rhythm/ syncopation/ falsetto/ anacrusis/ dictation type questions relating to the piece (rhythmical and melodic)

Set work 2 J. Williams: 'Main title/rebel blockade runner' (from the soundtrack to *Star Wars Episode IV: A New Hope*)

Study of this piece includes the following:

discussion on how the musical elements combine in this music to fit its dramatic context/also how the elements combine to create the mood and atmosphere/the difference between diegetic and non diegetic music/John Williams background and characteristics of his music/fanfare characteristics/leitmotif/intervals/ostinato/neoploitan chord/quartel harmony/A tonalism/instrumental effects/pedal/tremolo/dissonance/accent/tri tone/block chords/ inverted pedal/ dictation type questions relating to the piece (rhythmical and melodic)

QMGS Key Stage 4 Curriculum Topics 2021-22



TERM 2

Performing

2 dates are set; 1 for the last week of the first half term and 1 for the end of the term. On each occasion pupils are expected to prepare a piece to perform in front of the class. This is a free choice. These 2 performances are formally assessed using criteria from the specification.

Feedback is given to each pupil (both verbal & written).

Composing

The first major compositional task is set:

To compose a 'theme & variations' piece on Sibelius. (see also 'how to write a theme & variations piece' instruction booklet).

Set work 3 **J.S. Bach: 3rd Movement from Brandenburg Concerto no.5 in D major**

Study of this piece includes the following:

Typical features of the Baroque period revision, but now focussing on instrumental music from this era/ fugal writing/dance movements (such as gigue)/ performance practise in older music/concerto grosso/ concertino/ ripieno/basso continuo/ gigue/contrapuntal texture/unison/melodic dialogue/imitation/subject/answer/counter subject/anacrusis/suspension/stretto/tonic and dominant pedal/ triplets/dotted rhythms/cadences/ conjunct/scalic/ornaments/terraced dynamics/figured bass/ternary form/the use of harpsichord as a solo instrument for the first time/ dictation type questions relating to the piece (rhythmical and melodic)

Set work 4 **L. van Beethoven: 1st Movement from Piano Sonata no.8 in C minor 'Pathétique'**

Study of this piece includes the following:

QMGS Key Stage 4 Curriculum Topics 2021-22



the development of sonata form/ the difference between the classical & romantic periods/ repetition, variation and motivic development/ the development of the piano/exposition/development/recapitulation/the tonal structure of sonata form including how keys relate to one another/1st & 2nd subjects/transition/codetta/coda/contrary motion/cadenza/crossing hands in piano writing/tremolo/staccato/the diminished 7th chord/legato/alberti bass/cadential 6/4. Arpeggio/cadences/sustain pedal/alla breve time/dictation type questions relating to the piece.

TERM 3

Performing

2 dates are set; 1 for the last week of the first half term and 1 for the end of the summer term. On each occasion pupils are expected to prepare a piece to perform in front of the class. This is a free choice. These 2 performances are formally assessed using criteria from the specification and recorded.

Composing

Ongoing composition work on the theme & variations piece with the aim of completing it by the end of year 10. This is formally marked using the assessment criteria in the spec.

Set work 5 S. Schwartz 'Defying Gravity' (from the album of the cast recording of *Wicked*)

Study of this piece includes the following:

an investigation of how the musical language and musical elements combine in this song to fit its dramatic context. How the musical elements combine to create a sense of climax. Musicals – brief history and development/background to the show and its relation with the wizard of oz.

Recitative/leitmotif/ unison/E bow/brass

mute/distortion/flange/gliss/piano stab/singing in 3rds/suspended

QMGs Key Stage 4 Curriculum Topics 2021-22



	<p>chords/modulation/colla voce/vocalisation/angular/conjunct/tremolo/syllabic/melisma/crescendo/ dictation type questions relating to the piece (rhythmical and melodic)</p> <p>Set work 6 Esperanza Spalding: 'Samba Em Preludio' (from the album <i>Esperanza</i>)</p> <p>Study of this piece includes the following: Fusion – a discussion of what this is/ which 2 styles have been combined in this piece (samba & Jazz to create Bossa Nova) Cover version/rubato/free rhythm/syncopation/stanza/angular/word setting/syllabic/melismatic/arpeggio/broken chords/conjunct/angular/pitch bend/slide/harmonic/acoustic bass guitar/ds al coda/extended chords/turnaround chords/tessitura/blues scale/blue notes/ virtuosic solo writing/ dictation type questions relating to the piece (rhythmical and melodic)</p>	
<p>Physical Education (GCSE)</p>	<p>Applied anatomy and physiology</p> <ul style="list-style-type: none"> • The structure and functions of the musculoskeletal system • The structure and functions of the cardio-respiratory system • Anaerobic and aerobic exercise • The short and long term effects of exercise <p>Movement analysis</p> <ul style="list-style-type: none"> • Lever systems, examples of their use in activity and the mechanical advantage they provide in movement • Planes and axes of movement <p>Physical training</p> <ul style="list-style-type: none"> • The relationship between health and fitness and the role that exercise plays in both • The components of fitness, for sport and how fitness is measured and improved • The principles of training and their application to personal exercise/training programmes • How to optimise training and prevent injury • Effective use of warm up and cool down <p>Socio-cultural factors and wellbeing in physical activity and sport</p>	<p>Health, fitness and wellbeing</p> <ul style="list-style-type: none"> • Physical, emotional and social health, fitness and wellbeing • The consequences of a sedentary lifestyle • Energy use, diet, nutrition and hydration <p>Use of data</p> <ul style="list-style-type: none"> • Demonstrate an understanding of how data are collected – both qualitative and quantitative • Present data (including tables and graphs) <p>Analyse and evaluate data</p>

QMGs Key Stage 4 Curriculum Topics 2021-22



	<ul style="list-style-type: none"> • Sports psychology • Classification of skills (basic/complex, open/closed) • The use of goal setting and SMART targets to improve and/or optimise performance • Basic information processing • Guidance and feedback on performance • Mental preparation for performance • Socio-cultural factors • Engagement patterns of different social groups in physical activity and sport • Commercialisation of physical activity and sport • Ethical and socio-cultural issues in physical activity and sport 	
Physical Education (Core)	<p>Rugby</p> <ul style="list-style-type: none"> • Spin Passing • Kicking Techniques • Fending • Set Plays • Tackling (2 man) • Mauling • Full scrums • Line Outs • Rucking/Counter Rucking • Positional play <p>Hockey</p> <ul style="list-style-type: none"> • Dribbling • Passing • Receiving • Tackling • Shooting (Backhand) • Positional play] • Formations • Short/Long corners <p>Cricket</p> <ul style="list-style-type: none"> • Batting – Match Scenarios – Plan! Introduce White-Pink Ball/Red ball 	<p>Rugby</p> <ul style="list-style-type: none"> • Spin Passing • Kicking Techniques • Fending • Set Plays • Full scrums • Tackling/Grapple • Mauling • Line Outs (Lifting) • Rucking/Counter Rucking • Positional play <p>Hockey</p> <ul style="list-style-type: none"> • Dribbling • Passing • Receiving • Tackling • Shooting (Backhand) • Positional play] • Formations • Short/Long corners <p>Cricket</p> <ul style="list-style-type: none"> • Batting – Match Scenarios – Plan! Introduce White-Pink Ball/Red ball • Bowling – Power play and death bowling

QMGS Key Stage 4 Curriculum Topics 2021-22



<ul style="list-style-type: none"> • Bowling – Power play and death bowling • Fielding – Difficulty increased through increased speed/distance. <p>Different types of dive, boundary fielding (Athletic development)</p> <p>Volleyball</p> <ul style="list-style-type: none"> • Set • Dig • Serve (over arm) • Spike • Positional play • Team work <p>Badminton</p> <ul style="list-style-type: none"> • Serve (long/short) • High Clearance • Forehand • Backhand • Smash (Backhand) • Dropshot • Doubles play <p>Table tennis</p> <ul style="list-style-type: none"> • Forehand Push/Smash – Topspin/Backspin • Backhand Push/Smash – Topspin/Backspin • Grip • Forehand and Backhand Serve (with spin) and Increased Speed and Accuracy • Develop serve (Spin) • Singles/Doubles – Tactics • Forehand/backhand Slice and Flick <p>Basketball</p> <ul style="list-style-type: none"> • Passing • Receiving • Dribbling • Defensive stance • Tactics • Shooting • Lay Ups 	<ul style="list-style-type: none"> • Fielding – Difficulty increased through increased speed/distance. Different types of dive, boundary fielding (Athletic development) • Introduce boys to Senior Cricket (Completely different standard, coloured kit) • Psychology of the game – How do you deal with pressure <p>Volleyball</p> <ul style="list-style-type: none"> • Set • Dig • Serve (over arm) • Spike • Positional play • Team work <p>Badminton</p> <ul style="list-style-type: none"> • Serve (long/short) • High Clearance • Forehand • Backhand • Smash (Backhand) • Dropshot • Doubles play <p>Table tennis</p> <ul style="list-style-type: none"> • Forehand Push/Smash – Topspin/Backspin • Backhand Push/Smash – Topspin/Backspin • Grip • Forehand and Backhand Serve (with spin) and Increased Speed and Accuracy • Singles/Doubles – Tactics • Develop serve (Spin) • Forehand/backhand Slice and Flick • Focus on gameplay – How can you work out an opponent. What are their weaknesses? • Full matches played at a high speed/intensity <p>Basketball</p> <ul style="list-style-type: none"> • Passing • Receiving • Dribbling
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QMGs Key Stage 4 Curriculum Topics 2021-22



	<p>Athletics</p> <ul style="list-style-type: none"> • Various track events (not 400m) • All throwing events (basic run up) • All jumping events Fitness testing will be done on a termly basis. <p>Students practical ability and knowledge will be assessed when performing practically. Fitness testing will be done on a termly basis.</p> <p>Students practical ability and knowledge will be assessed when performing practically. Fitness testing will be done on a termly basis.</p> <p>Practical performances will be assessed on a weekly basis.</p> <p>Students knowledge of lesson content will be assessed using questioning on a weekly basis.</p>	<ul style="list-style-type: none"> • Defensive stance • Tactics • Set Plays • Positional play • Shooting • Lay Ups
<p>Physics</p>	<p>1. Energy</p> <ul style="list-style-type: none"> • Energy stores and systems • Energy changes • Conservation of energy • National and global energy resources <p>2. Electricity</p> <ul style="list-style-type: none"> • Current, potential difference and resistance • Series and parallel circuits • Electricity in the home • Energy transfer in electricity • Static electricity <p>3. Particle Model of Matter</p> <ul style="list-style-type: none"> • Changes of state • Internal energy • Gases and pressure <p>4. Atomic Structure</p> <ul style="list-style-type: none"> • Atoms and isotopes • Nuclear radiation • Nuclear safety • Fission and fusion 	<p>6. Waves</p> <ul style="list-style-type: none"> • Transverse and Longitudinal waves • Wave properties and interactions • Electromagnetic waves • Optics • Black body radiation <p>7. Magnetism and Electromagnetism</p> <ul style="list-style-type: none"> • Magnetic fields • Motor effect • Generator effect • Induction • Transformers • The National Grid <p>8. Space Physics</p> <ul style="list-style-type: none"> • Solar System • Life cycle of stars • Orbital motion • Doppler effect • Big Bang Theory

QMGS Key Stage 4 Curriculum Topics 2021-22



	<p>5. Forces</p> <ul style="list-style-type: none"> • Scalars and vectors • Forces • Work done and energy transfer • Elasticity • Moments • Pressure in fluids • Linear motion • Newton's Laws of Motion • Momentum 	
<p>PSHEE</p>	<p>Mental Health</p> <ul style="list-style-type: none"> • What is stress? • Stress management <p>Physical Health</p> <ul style="list-style-type: none"> • Sleep • Testicular self-examination <p>Financial Literacy</p> <ul style="list-style-type: none"> • The world of work <p>Future Plans</p> <ul style="list-style-type: none"> • Giving and receiving feedback at work • Social action <p>Citizenship</p> <ul style="list-style-type: none"> • County Lines • Knife crime <p>Media Safety</p> <ul style="list-style-type: none"> • Pornography <p>Relationships & Sex Education</p> <ul style="list-style-type: none"> • Relationship abuse • Marriage, partnership and rights 	<p>Mental Health</p> <ul style="list-style-type: none"> • Introduction to Transactional Analysis (a field of psychotherapy concerned with human communication and personality structure) • Mental health during exam season <p>Physical Health</p> <ul style="list-style-type: none"> • Smoking and vaping • Drugs • Alcohol <p>Financial Literacy</p> <ul style="list-style-type: none"> • Security and fraud <p>Future Plans</p> <ul style="list-style-type: none"> • Study skills <p>Relationships & Sex Education</p> <ul style="list-style-type: none"> • Fertility and routes to parenthood • Pregnancy outcomes • Pregnancy choices: abortion

QMGs Key Stage 4 Curriculum Topics 2021-22



<p>RPE (Religion, Philosophy, Ethics)</p>	<p>Everything outlined in the document “QMGs Key Stage 3 Curriculum” and in addition:</p> <ol style="list-style-type: none"> 1. GCSE.01 :: Introductory work in the realms of philosophy, religious understanding and ethics <ol style="list-style-type: none"> a. Religious practices (esp. wudu and baptism); b. Religious phenomenology and syncretism, pragmatism and themes of ultimate concern (God, revelation, the dignity of humanity) c. Ethical dilemmas and critical thinking skills 2. GCSE.02 :: Philosophy of Religion <ol style="list-style-type: none"> a. Theism, God, Revelation b. Life after Death c. Atheism, Humanism, Secularism 3. GCSE.03 :: Jesus Christ <ol style="list-style-type: none"> a. Eschatology (Islamic and Christian) <ol style="list-style-type: none"> i. Shia/ Sunni b. Revelation c. Historicity of Jesus; Christological questions of the nature and purpose of Jesus’s earthly life; d. Credibility of religious text; 4. GCSE.04 :: The Muslim Worldview <ol style="list-style-type: none"> a. Female Genital Mutilation, tolerance, culture; b. The image of Islam in the UK; c. basic Islamic history, including general aspects of the Rise of Islam 5. GCSE.05 :: Legal Ethics <ol style="list-style-type: none"> a. The nature and purpose of state-sanctioned (legitimate) punishment; b. Theories of punishment and religious ideas about sin, forgiveness, punishment and post-mortem existence; c. Capital Punishment and its role in a religious worldview, and the appropriateness of same in the modern British context 	<p>Everything outlined in the table to the left; everything noted in the relevant GCSE specification; and including:</p> <ol style="list-style-type: none"> 1. GCSE.07 :: Social Justice <ol style="list-style-type: none"> a. Prejudice and discrimination; b. Distribution of Wealth; c. Social Justice d. Medical Ethics (Abortions) 2. GCSE.08 :: Sexual Ethics <ol style="list-style-type: none"> a. Marriage, divorce and the Family; b. Cultural practices and beliefs about marriage, and religious views of same; non-religious marital ethics and practices; c. Homosexuality and religious attitudes to minority sexualities; d. The roles of men and women; e. Equality and human rights; 3. GCSE.09 :: Religious Literature <ol style="list-style-type: none"> a. Islamic and Christian sacred texts; b. Islamic and Christian beliefs and practices, esp. the practice of religious duties and obligations; c. Revelation and knowledge; interpretation and relevance in modern British society; 4. GCSE.10 :: Evil and Suffering <ol style="list-style-type: none"> a. Philosophical and ethical ideas about suffering and undeserved suffering, sin, Original Sin, shirk and the response of religious thinkers to both philosophical and practical issues of evil and suffering; b. The way in which religious people deal with suffering, loss and pain in a non-philosophical context, but as a truth of the human condition; c. Secular and humanist ethics and philosophies around the nature of God, the nature of suffering and the alleviation of pain. 5. GCSE.11 :: Death
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QMGS Key Stage 4 Curriculum Topics 2021-22



	<p>6. GCSE.06 :: Politics and Civics</p> <p>a. State of Nature, community, family, society;</p> <p>b. Hajj and Ummah; Christian fellowship;</p> <p>c. Original Sin;</p> <p>d. Essay skills, and skills for extended writing, deployment of argument and evidence and skills required for answering questions in a GCSE examination.</p>	<p>a. Religious and non-religious beliefs and practices about death and the afterlife, including Heaven and Hell;</p> <p>b. Funeral rites, and customs around death;</p> <p>c. Philosophical and psychological ideas about death and dying, including personhood, survival throughout time and the ethics of punishment or reward post-mortem;</p> <p>d. The Resurrection of Jesus Christ; Christian and Islamic ideas about post-mortem existence, and how to understand and contextualise these ideas as either fact or myth.</p>
<p>Spanish</p>	<ul style="list-style-type: none"> • Topic coverage 1-12 at Foundation Level Family/technology/free-time activities/customs and festivals/home town/charity work/environment and poverty/holidays/current and future study/life at school/university or work/careers and 1-3 at Higher Level – family/technology/free-time. • Tenses covered by end of Y10 - present (regular, irregular, reflexive, stem-change, impersonal verbs)/immediate future/preterite/imperfect/perfect/future/conditional. • Two verbs together. Negatives/questions. Use of por/para. • Adjectives – agreement and position • Pronouns: subject/direct + indirect object/disjunctive/possessive + position • Listening/Reading/Writing/Speaking practised in class, together with translation into and out of the target language. • Role-plays, photocards and general conversation form the speaking exam. 	<ul style="list-style-type: none"> • Topic coverage 1-12 at Higher Level (1-3 covered in Y10) – Family/technology/free-time activities/customs and festivals/home town/charity work/environment and poverty/holidays/current and future study/life at school/university or work/careers. • Tenses covered by end of Y11 - present (regular, irregular, reflexive, stem-change, impersonal verbs)/immediate future/preterite/imperfect/perfect/future/conditional + irregulars of all types of verb and all tenses + pluperfect/present subjunctive + key uses/imperfect subjunctive + key uses/present and imperfect continuous – for recognition purposes. The passive with Ser and reflexives. Imperatives taught for use and recognition. • Two verbs together. Negatives/questions. Use of por/para. • Adjectives – agreement and position • Pronouns: subject/direct + indirect object/disjunctive/possessive + position • Listening/Reading/Writing and Speaking practised in class, together with translation into and out of the target language. • Role-plays, photocards and general conversation form the speaking exam.