



St Katherine's School

Year 10 Curriculum Guide

Maths

Term	Foundation	Higher	
Week 1	Baseline GL Assessment	ssessment Baseline GL Assessment	
1	Unit 8 - Perimeter, area and volume Unit 9 - Real-life and straight line graphs	Unit 7 - 3D forms and volume, cylinders, cones and spheres, accuracy and bounds Unit 8 - Transformations, loci, constructions and bearings	
2	Unit 9 - Real-life and straight line graphs Unit 10 - Transformations	Unit 8 - Transformations, loci, constructions and bearings Unit 9 - Solving quadratic and simultaneous equations	
3	Unit 11 - Ratio and Proportion	Unit 10 - Probability Unit 11 - Multiplicative reasoning	
4	Unit 12 - Right-angled triangles: Pythagoras and trigonometry	Unit 12 - Similarity and congruence in 2D and 3D Unit 13 - Graphs of trig functions and further trigonometry	
5	Unit 13 - Probability Unit 14 - Multiplicative reasoning	Unit 13 - Graphs of trig functions and further trigonometry	
6	Unit 15 - Plans and elevations. Constructions, loci and bearings Revision of Units 1 - 15.	Unit 14 - Collecting data, cumulative frequency, box plots and histograms Revision of Units 1 - 14.	
	End of Year 10 Assessment and MAD Time	End of Year 10 Assessment and MAD Time	

English and Media Studies

Once a fortnight, all students complete 'The Writing Challenge', an extended writing task akin to tasks they will need to be able to complete in their English Language examinations.

All students are expected to read for at least twenty minutes a day and must bring their book to school every day.

Term	Торіс	Key Information
1 and 2	 English Language Exam Techniques: Component 2 - C19th and C21st texts and transactional Writing. English Literature Component 2 - Priestley's An Inspector Calls English Literature Component 1 - Selected poems from the poetry anthology 	We will supply copies of the poetry anthology. We can loan copies of <i>An</i> <i>Inspector Calls</i> , but recommend that students have their own copy.
3 and 4	 English Language Exam Techniques: Component 2 - C19th and C21st texts and transactional Writing. English Literature Component 2 - Austen's Pride and Prejudice English Literature Component 1 - Selected poems from the poetry anthology 	We can loan copies of Pride and Prejudice, but recommend that students have their own copy.
5 and 6	English Literature and Language Revision Speaking and Listening Examination preparation and assessment	Mock Examinations English Language Component 2: C19th and C21st texts and transactional Writing Bespoke Literature Exam: An Inspector Calls, Pride and Prejudice and the Poetry Anthology Speaking and Listening Examinations

Science

Triple Science AQA

Term	Biology	Chemistry	Physics
1	 Cell division Communicable disease Test 	 The periodic table Test Structure and bonding 	 Energy transfer by heating Conservation and dissipation of energy Test
2	 Preventing and treating disease Non-communicable diseases Photosynthesis 	 Chemical calculations Test 	 Electric circuits Electricity in the home Test
3	 Respiration Test The human nervous system 	Chemical Change	 Molecules and matter Radioactivity Test
4	Hormonal coordinationHomeostasisTest	 Electrolysis Test Energy Changes 	Forces in balanceMotion
5	 Reproduction Revision	Rates and equilibrium	Force and motionForce and pressureTest
6	 Revision Mock Exams	•	

You can find links and suggestions to support your child with their triple science assessments here.

Combined Science - Trilogy AQA

Term	Biology	Chemistry	Physics
1	 Cell division Communicable disease Test 	 The periodic table Test Structure and bonding 	 Energy transfer by heating Conservation and dissipation of energy Test
2	Preventing and treating disease	Chemical calculationsTest	Electric circuits
3	 Non-communicable diseases Test 	Chemical Change	Electricity in the homeTest
4	PhotosynthesisRespirationTest	ElectrolysisTest	Molecules and matter
5	The human nervous system	Energy Changes	RadioactivityTest
6	 Revision Mock Exams	•	

You can find links and suggestions to support your child with their combined science assessments here.

Design, Art & Technology

Art

Project 1 - Natural Forms Project 2 - Personal Project

Students are assessed on the following every two weeks, at the end of each term & at the end of each term & at the end of each project (that lasts for four terms):

- Observational drawing (Term 1 & Term 5/6)
- Artist research (Term 2 & Term 5/6)
- Development of personal ideas (Term 3)
- A final outcome (Term 4)

To support your child, you could ask to see their personal targets written on feedback sheets inside their paper folder that are set by the teacher every two/three weeks (kept inside your child's portfolio). Discuss these targets and how they might be achieved; you can discuss ideas and potential 'next steps' with your child. Look at their work and discuss ways of improving it against their personal targets.

A01	Artist research: Independently sourcing relevant artists: Google research Gallery visits RWA/Botanical Gardens visit Relevant backgrounds Transcripts with relevant use of media Relevant presentation Analytical and personalised writing
AO2	Independently refine ideas through experimenting and selecting appropriate resources, media, techniques and processes
A03	Revisit monochromatic observational drawing skills: Tonal shading Texture Blending Sketching and 'building up' Recording ideas through photography: Composition Foreground and background Revisit colour techniques: Warm / cool / complementary / contrasting Tints and tones White gel pen / white coloured pencil on black: Line / pattern / detail Paint - acrylic / watercolour / brusho / ink: Thick opaque layers and thin washes Brush / palette knife Painting onto dry / wet surfaces

	 Scratch into paint with card Drybrushing
	Spraypaint: • Stencils • OHP Clay: • Slabs and coils • Black and metallic dry- brushing Printing: • Rubber stamping • Frottage
A04	Present an independent, personal and well considered response with strong, relevant connections to appropriate artists and sources

Engineering Design

During the course of the two years, students will have their coursework elements assessed every fortnight along with questions assessing the theory from previous weeks.

To support your child you could ask to see their work and help them in the following ways

- Help them revise for the fortnightly theory questions ready for the examination
- Check that they have completed all amendments to their coursework that are communicated through the google classroom, if you wish to be added to this classroom please let us know.

Term 1	Term 2	Term 3	Term 4	Term 5	Term 6
Sessions on presentation of work, drawing styles, Computer-aided design & manufacture and practical skills					
Unit R105 theory knowledge Revision for		Unit R105 Exam			
R107 cou	ursework task - [Development of	an idea	unit R105 Exam	
R108 coursework task - Planning and manufacture of a product					

Hospitality

Unit 1: The Hospitality and Catering Industry

Learning Outcome	Assessment Criteria
LOI Understand the environment in which hospitality and catering providers operate	AC1.1 describe the structure of the hospitality and catering industry
	AC1.2 analyse job requirements within the hospitality and catering industry
	AC1.3 describe working conditions of different job roles across the hospitality and catering industry
	AC1.4 explain factors affecting the success of hospitality and catering providers
LO2 Understand how hospitality and catering provisions operate	AC2.1 describe the operation of the kitchen
	AC2.2 describe the operation of front of house
	AC2.3 explain how hospitality and catering provision meet customer requirements
LO3 Understand how hospitality and catering provision meets health and safety requirements	AC3.1 describe personal safety responsibilities in the workplace
	AC3.2 identify risks to personal safety in hospitality and catering
	AC3.3 recommend personal safety control measures for hospitality and catering provision

Learning Outcome	Assessment Criteria
LO4 Know how food can cause ill health	AC4.1 describe food related causes of ill health
	AC4.2 describe the role and responsibilities of the Environmental Health Officer (EHO)
	AC4.3 describe food safety legislation
	AC4.4 describe common types of food poisoning
	AC4.5 describe the symptoms of food induced ill health
LO5 Be able to propose a hospitality and catering provision to meet specific requirements	AC5.1 review options for hospitality and catering provision
	AC5.2 recommend options for hospitality provision

In the first year of this course, students will have their coursework elements assessed every fortnight through a series of exam-type question booklets. Learners will sit the external exam for Unit 1 in June of Year 10.

To support your child you could:

- Ask to see their booklet work and help them when needed
- Get them preparing food and cooking as often as possible
- Encourage them to work in The Leaf restaurant on a Thursday evening
- Help them to plan their revision as the exam approaches

Business

Level 2 OCR Enterprise and Marketing: students study 3 units over two years. Students can be awarded a Pass, Merit, Distinction and Distinction* grade.

Unit R064: Enterprise and marketing concepts (Examined content): Students explore the techniques businesses use to understand their market and develop products, investigate what makes a product viable and understand how businesses attract and retain customers.

Unit R065: Design a business proposal (Externally moderated coursework): Students are presented with a business challenge from which they create a researched and costed business proposal. They will carry out market research, present data, use idea generation tools, seek and act on feedback, and cost their proposals. In their work on this unit they will develop their self-assessment, collaborative working, creativity, numeracy, research and evaluative skills.

Unit R066: Market and pitch a business proposal (Externally moderated coursework): Students prepare for and pitch the business proposal that they developed in the previous unit. They develop a brand identity and investigate how best to promote their product and then plan, practise and finally deliver their pitch. Afterwards they review both their performance and their business proposal. This will help develop their analysis and self-evaluative skills as well as those relating to self-presentation.

Term	Торіс	Key Information
1	 RO65: Design a business proposal Being able to identify and create a customer profile for the business challenge. Be able to complete market research to aid decisions relating to a business challenge. 	Beginning the first coursework element looking at market segmentation and market research.
2	 RO64: Enterprise and marketing concepts: How to target a market Understanding primary and secondary market research. 	RO65 will coursework will be worked on by students alongside the learning of RO64 content.
3	 RO64: Enterprise and marketing concepts: Financial viability Profit, loss, revenue and costs Break even analysis RO65: Design a business proposal: Assess the financial viability of your business proposal. 	RO64: Is supported by end of topic assessments and practice examinations throughout.

4	 RO64: Enterprise and marketing concepts: Product lifecycle Product differentiation Pricing strategies RO65: Design a business proposal: Assess the financial viability of your business proposal.
5	 RO64: Enterprise and marketing concepts: Customer service Business ownership types RO65: Design a business proposal: Developing design ideas Acting on peer and self feedback
6	 RO64: Enterprise and marketing concepts: Types of business capital. Developing business plans. RO65: Design a business proposal: Developing our coursework

<u>Assessment:</u>

Assessment is through a mixture of externally marked coursework, **RO65 and RO66**, and examination, **RO64**, each worth 50% of the final grade.

How can I support my child's learning?

Students can be supported with their learning through ensuring that they adhere to the deadlines set by the class teacher regarding out of class work on coursework. Encouraging wider reading around the subject will help students apply their learning to real world scenarios, a key element of the course. This can be done through reading quality broadsheet newspapers, BBC business site <u>https://www.bbc.co.uk/news/business</u> and other quality news resources.

Computing

In years 10 and 11 the students who opt for computing study the OCR GCSE Computing (J277) specification. The GCSE is assessed by two external written exams at the end of Year 11, each worth 50% of the final grade. The focus of paper 1 is Computational systems and this content will be covered primarily in year 10 with paper 2 Computational thinking, algorithms, and programming key content in Year 11.

Students are also supported to develop their own programming skills throughout the course by progressing through a series of independent student led activities and challenges available from the google classroom.

Term	Topics
1	1.1 Systems Architecture 1.2 Memory 1.3 Storage
2	1.3 Storage 1.4 Wired and Wireless Networks
3	1.5 Network Topologies, Protocols and Layers 1.6 Systems Security
4	1.6 Systems Security 1.7 Systems Software
5	1.8 Ethical, Legal and Cultural Issues of Computing
6	2.1 Algorithms 2.2 Programming Techniques

<u>Assessment:</u>

Formal assessment for accreditation is through 2 GCSE papers in Year 11, however students are consistently assessed for progress with end of topic tests at all stages of the course. These tests are summative in nature with a combination of peer and teacher marking with dedicated feedback and improvement time built in.

How can I support my child's learning?

Students should be ensuring that they regularly undertake self-directed coding practice at home using the resources available to them on the class google drive, this should be done using <u>www.repl.it</u>. Provision of revision guides are also available to all students through the class teacher. Students should also be encouraged to ensure that they have a complete set of learning notes through catching up on any missed work by completing the activities in the classroom for that lesson. Students should be encouraged to complete end of topic knowledge organisers and revision notes for each topic prior to their summative assessment.

Humanities

Assessment: Students are assessed routinely as they complete exam units with opportunities in lessons to develop their understanding of exam success criteria. At the end of exam units students will typically complete a mock exam under timed conditions. Society & Culture is a non-examined subject.

How can I support my child's learning? Parents can support students by encouraging continual revision resourcing using revision guides and Seneca learning. Students should ensure that they catch up on any missed or incomplete work due to absence in order to produce a complete set of notes.

Term	Geography	History	Philosophy & Belief	Society & Culture		
1	Paper 1: Challenges for an Urbanising World	Paper 1: Medicine in Britain c. 1250 to present day.	Component 2 - Christianity Beliefs and Teachings: The	Religion: Fundamentalism vs.		
2	Paper 2: UK's evolving physical landscape	 Middle Ages: 1250-1500 Medical Renaissance: 1500-1700 Medicine in 18th & 19th Centuries Modern Medicine 1900+ 	Nature of God; Creation; Jesus; Salvation; The after life	Moderatism. Christianity and atheism.		
3	Paper 2 : Dynamic UK cities	Drugs: Legalisation debate, consequences of drug use on individuals and communities.				
4	Paper 2: Dynamic UK cities Paper 1: Development Dynamics	Paper 2: Henry VIII and his ministers 1509-1540. - Henry & Wolsey - Henry & Cromwell - The Reformation	discrimination Life & Death The origin of the universe & world; The origin and value of human life; Religion & Science Beliefs about death & the after life; Abortion; Euthanasia			
5	Paper I : Development Dynamics		Component 3 - Buddhism Beliefs & Teachings:The Buddha;	Politics: political spectrum, the political parties and their principal policies. MPs		
6	Paper 2: Fieldwork prep and field trip		The Dhamma; The Four Noble Truths; The human personality; Human destiny and ethical teachings			

Modern Foreign Languages

Date	ΤΟΡΙϹ
September 4 weeks	Identity and culture > Me, my family and friends > Relationships with family and friends ASSESSMENT - Grammar test + Reading
October 4 weeks	Local, national, international and global areas of interest > Home, town, neighbourhood and region ASSESSMENT - Speaking + Translation task
November 4 weeks	Identity and culture > Free-time activities / Music / Cinema and TV / Food and eating out / Sport ASSESSMENT - Listening, reading, writing
December 3 weeks	Current and future study and employment > My studies ASSESSMENT - Writing task
January 4 weeks	Local, national, international and global areas of interest > Social issues > Healthy/ unhealthy living ASSESSMENT - Listening, reading, writing OR Speaking
February- March 5 weeks	Current and future study and employment > Life at school/ college ASSESSMENT - Speaking + Translation task OR Writing + listening
April 3 weeks	Current and future study and employment > Education post-16 ASSESSMENT - Listening, reading, writing
May 4 weeks	Identity and culture > Customs and festivals in French-speaking countries/ communities ASSESSMENT - Listening, reading, writing
June 4 weeks	Local, national, international and global areas of interest > Travel and tourism ASSESSMENT - Speaking + Writing task
SUMMER WORK	Identity and culture > Me, my family and friends > Marriage/ partnership ASSESSMENT - Speaking, Listening, reading, writing
July 2 weeks	REVISION - PAST PAPERS

Performing Arts

Drama

Assessment: students are assessed on rehearsal, performance and verbal evaluative skills. During year 10 students will perform in a series of mini and fill mock exams. They will interleave written learning and have opportunities to evaluate live theatre.

Support: students would benefit from visiting and experiencing live theatre, film and watching acclaimed drama television series. Radio 4 plays and story telling would also be of excellent further study. Attend rehearsals at lunch tome and after school. Students could also attend a variety of clubs/groups such as singing, dancing and acting to build confidence. Students are expected to take part in 2 extra curricular events; school musical, SKAMPS, performing arts nights.

Term	Торіс
1	Intro Drama and interdependence through scripted performance C2: Skills and techniques through drama games and mini tasks to build confidence within the group. Two by Jim Cartwright. Monologues/Duologues from plays for C2 Performing Theatre (<i>different time period and context</i>).
2	Introduction to practitioner's workshops: Theatre language. Leading into devising. Stanislavski, Verbatim, Brecht, Black box theatre, Physical theatre Frantic Assembly. Leading into devising. Mini practical tasks to practically explore these practitioners.
3	Mock C1; Performance and coursework: Devised performance using stimulus from exam board. Coursework learning and practise; Perform, evaluate, portfolio. Written portfolio, evaluation to be completed. Mini tasks on practitioners to recap techniques/genres - Brecht, Stan, Frantic. Live theatre performance
4	Devising C1 and Live theatre review C3: Brecht, Stanislavski, Frantic assembly.Visit a theatre to watch a Live theatre performance.cGuided booklets to support learning. Practise questions for revision practise.
5	Set text C3: DNA . Focused analysis, story, character as well as directing & staging ideas. Theatre review - notes and written Make notes and prep for written exam C3 Set text. perform scenes develop knowledge and understanding. Set written exam questions. Theatre Language. Writing notes with written evaluation exam mock C3 end of this term.
6	Set text for C3 and Scripted performance C2 : Focus on analysis, story, character as well as directing & staging. Lighting, costumes, etc to be considered as well. Performance skills. Performance for audience. Evaluation.). On going logbooks to use as a revision guide for next year. Mini mock on devising - verbatim theatre with Brecht.

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Term	Торіс
1	Intro to the course. What is Musical theatre? Expectations, standards outline of course structure: component breakdown. How you are examined in BTEC, requirements: research, logs, targets, film footage. Practical focused on a variety of genres / technique. Dancing, Singing, Acting workshops.
2	Mini tasks; group and solo. Choice musicals not set works. Weekly research tasks, choreography, singing, acting scenes, mini performances. Group work 3-7. Students are learning about performers and non performers roles to create their own pieces. Performance mock and logbook analysis.
3	Introduction to Component 1 . Exploring the Performing Arts exam. Introduce three musicals: Rock Of Ages, Les Miserables, Chicago. Workshops and rehearsals. Audition workshop, dance and choreography workshops, singing workshops. Teacher led and student led. Focus songs picked by teacher.
4	Component 1 . Exploring the Performing Arts. Focus on all 3 shows; Rock Of Ages Chicago, Les Miserables. Start logbook a and b; plus choice - creative vlog/blog/research folder-mood board. Focus songs picked by students.
5	Complete Component 1 examination. Controlled assessment C1; presentation and logbook a and b plus creative vlog/blog/research folder-mood board.
6	Component 2 Mock performance . 3 group numbers. ROA: Shadows of night/harden my heart Les Mis: Lovely Ladies. Chicago: Razzle Dazzle.

Music

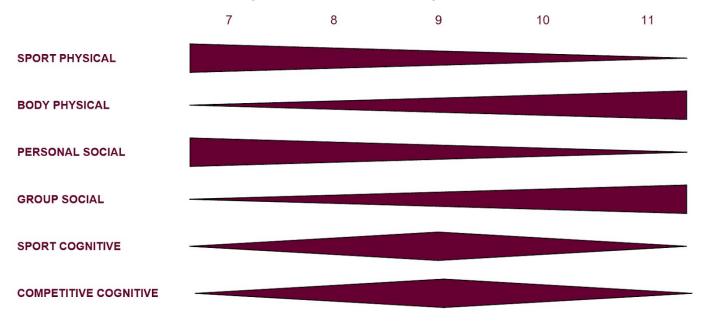
Term	Торіс							
1	Course introduction Music theory: stave notation, clefs, rhythm, note lengths, time signatures, simple and compound time signatures, structure, dynamics Listening: Popular Music (Broadway 1950 - 1990, rock music of 60's/70's, film and computer game music 1990 onwards, pop music 1990 onwards) Preparation for mock solo performance							
2	Music theory: instruments and their families, identifying instruments, types of voice, texture Listening: Traditional Music (Blues 1920-1950, fusion music, African music, Caribbean music, contemporary Latin music, contemporary British folk music) Preparation for mock ensemble performance							
3	Music theory: key signatures, scales, arpeggios, chords, tonality Listening: Western Classical Tradition 1650-1910 (Coronation anthems and oratorios of Handel, orchestra music of Haydn, Mozart and Beethoven, piano music of Chopin and Schumann, requiem of late Romantic period) Introducing composition: group tasks							
4	Music theory: intervals, cadences, rhythm and pitch dictation Listening: Western Classical Tradition Since 1910 (orchestral music of Copland, British music of Arnold, Britten, Maxwell-Davies and Tavener, orchestral music of Kodaly and Bartok, minimalist music of John Adams, Steve Reich, Terry Riley) Introducing composition: start work on free choice composition							
5	Music theory: how to follow a score, dealing with skeleton scores, structure Listening: Beatles study pieces; Lucy In The Sky With Diamonds, Within You Without You, With A Little Help From My Friends Introducing composition: continue to work on free choice composition							
6	Music theory: rhythm - syncopation, hemiola, augmentation, diminution, cross rhythm, polyrhythm, anacrusis Listening: Haydn Clock Symphony 2nd movt study piece Introducing composition: continue to work on free choice composition, score and programme note							

Physical Education

All Year 10 students will follow a core PE curriculum. Some Year 10 students may also opt for examination PE which will occur in addition to their core PE lessons.

What will PE lessons focus on?

We have 6 different focus areas and use these to categorise the work that we do in PE lessons. These focus areas cover three main domains; physical, social and cognitive. You can see from the graphic below how our focus on different areas changes as students move through school.



What activities will be covered?

In Key Stage 4 staff will provide groups with more flexibility about the types of activities that they participate in. Some groups may have the opportunity to opt for blocks of activity while others may experience a variety of activities in lessons. Their activity options will depend on the staffing of their PE group. Staff reserve the right to remove options from groups should their behaviour / cooperation mean that this process is not viable.

Activities are always subject to access to facilities, weather and needs of any given teaching group. The information below is an outline of intended activities. Staff may well adapt the content of lessons using their professional judgements. Groups will rotate activities during school terms and will be informed about activity changes by their teachers.

Мар		AUTUMN TERM			SPRING TE RM				SUMMER TERM				
		Term 1		Term 2		Term 3		Term 4		Term 5		Term 6	
		Block 1	Block 2	Block 3	Block 4	Block 5	Block 6	Block 7	Block 8	Block 9	Block 10	Block 11	Block 12
	BOYS	Rugby	* NEW	Football	Athletios	Football	Rugby	*NEW	Multisports	Athletios	Athietios	Strike & Field	Raokets
R 10		Fitness	Bas ketb all	Minor Games	Raokets	Fitness	Raokets	Gym na stios	Min or G ame s	Strike & Field	Han db all	* N EW	Ad venture
YEAR	GIRLS	Netball	* NEW	Hookey	Football	Rugby	* NEW	Ne tha II	Hockey	Athletios	Strike & Field	Athietics	Strike & Field
		Rackets	Fitness	Ba sketb all	Fitness	Dance	F ibne c.c.	Raokets	Minor Game s	Han db all	* NEW	Raokets	Min or Games

What else is on offer?

Physical education lessons are one part of our faculty offer. We have a comprehensive range of extra-curricular activities that focus on recreational physical activity and competitive school sport. We pride ourselves on the fact that there is always something happening in PE and we actively encourage everyone to come along and get involved. Our extra-curricular timetable varies greatly and so more information will be available from PE teachers or form tutors.

What will students study in examination PE?

At Key Stage 4 we follow the Pearson BTEC First Award in Sport. In Year 10 students will study:

September - February: Fitness for Sport and Exercise (externally examined unit)

Components of fitness Exercise intensity Principles of training Training methods Fitness testing

February - July: Practical Sports Performance

Rules, regulations and scoring systems in sport Roles and responsibilities of officials in sport Practical sports performance Performance analysis