



Kind



Strong



Brave

GCSE Option Choices

1st March



Kind

For lots of secondary school students, making GCSE options choices is one of the first “adult” decisions they have to make...



Strong



Brave

Plan of Action

November

Students have received taster lessons as part of their Being Bold Days

February

Options Assembly (8th February)

Option Booklet Released (Week commencing 20th February)

Form Time session explaining the choices you can make (after half term)

1:1 Meetings with teachers to discuss choices as well as meetings with form groups.

March

Year 9 Parents and Options evening – 1:1 Meetings with students, family members and staff (Today)

Students will need to submit their options form by **Wednesday 29th March**

Deadline

Students will need to submit their options form by **Wednesday 29th March**

Any requests for changes after this date will only be made in **exceptional circumstances**.

Therefore students need to make sure they really consider what they want to study before making their final choices.

Year 9 Options booklet



Year 9 Options Booklet



Mathematics GCSE			
Syllabus: Write the exam board here: Pearson Edexcel G.C.S.E 9-1 (Mathematics) 1MA1			
Please consult: Mrs Anjum Palumbo and Mrs Gwynne Arlow			
What we aim to do			
The course aims to build on the skills and knowledge developed in years 7-9, with a focus on developing conceptual understanding and applying skills and knowledge to higher order problem solving.			
The main objectives of this GCSE (9-1) Mathematics course are to enable students to: develop fluent knowledge, skills and understanding of mathematical methods and concepts, acquire, select and apply mathematical techniques to solve problems, reason mathematically, make deductions and inferences, and draw conclusions. They will also be equipped with the skills to comprehend, interpret and communicate mathematical information in a variety of forms appropriate to the information and context.			
What we study			
The course will cover the following key areas:			
Number: Structure and calculation, Fractions, decimals and percentages, measures and accuracy			
Algebra: Notation, vocabulary and manipulation, equations and inequalities, graphs, problem solving, sequences			
Ratio, proportion and rates of change: similarity, congruence, direct and inverse proportion			
Geometry and measures: Properties of shapes, constructions, theorems, trigonometry, area, volume, vectors, using standard units of measure for length, mass, capacity, weight, volume			
Probability: Calculating probabilities by calculation and the use of relevant diagrammatic representations			
Statistics: Collect, collate, analyse and make inferences about data using relevant calculations and diagrams			
How your work will be assessed			
Two tiers are available: Foundation and Higher. The qualification consists of three equally-weighted written examination papers at either Foundation tier or Higher tier. All three papers must be at the same tier of entry and must be completed in the same assessment series.			
Title	Details	Time	Equal Weighting for each paper
Paper 1 Non-calculator	Written Exam	1 hour 30 minutes	80 marks (33 1/3%)
Paper 2 Calculator	Written Exam	1 hour 30 minutes	80 marks (33 1/3%)
Paper 3 Calculator	Written Exam	1 hour 30 minutes	80 marks (33 1/3%)
Post 16 Study			
The completion of the Higher Tier GCSE course gives students the best possible starting point for studying them at A Level.			
It also provides a very solid base for any post-16 education in Science related subjects, such as Geography, Geology or Environmental Sciences and courses comprising of units that require data analysis or mathematical reasoning, such as Psychology, Sociology, Computer Science, Business Studies and Economics			
Possible Career			
Teaching, engineering, accountancy, statistician, data analyst, doctor, scientist, computer programmer, software developer, risk assessment analyst, actuarial scientist, banking, researcher			
Dig Deeper: Relevant website links for further information on the course/subject			
Edexcel website: https://qualifications.pearson.com/			
Careers: www.mathscareers.org.uk			
For further consolidation, revision and completion of homework and classwork and video tutorials: https://www.drfrostmaths.com/			
For completion of G.C.S.E assessments: www.eedi.com			
For past exam style papers: www.maths https://www.mathsgenie.co.uk/			
For the latest news about mathematics learning and for access to learning resources and past exam papers http://www.mrbartonmaths.com/blog/good-maths-websites-websites-pupils-students-parents/			
For video tutorials and topic by topic practice			
For https://www.bbc.co.uk/bitesize/subjects/z38pycw and https://classroom.thenational.academy/subjects-by-key-stage/key-stage-4/subjects/math			

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Combined Science: AQA Trilogy GCSE		
Syllabus: AQA Trilogy (8464)		
Please consult: Mr Hurn (Science Lead)		
What we aim to do		
We aim to generate curious thoughtful and skilful scientists who can hypothesise, analyse, evaluate and link their science knowledge to the real world. We do this through providing students with a thorough grounding in the three disciplines of science; biology, chemistry and physics and the opportunity to apply their knowledge in a range of practical activities.		
What we study		
Students study a range of content across biology, chemistry and physics. A summary of these topics can be seen below.		
Biology	Chemistry	Physics
1. Cell Biology 2. Organisation 3. Infection and Response 4. Bioenergetics 5. Homeostasis 6. Inheritance and variation 7. Ecology	1. Atomic Structure 2. Bonding and Properties. 3. Quantitative Chemistry 4. Chemical Changes 5. Energy Changes 6. Rate of chemical change 7. Organic Chemistry 8. Chemical Analysis 9. The Atmosphere 10. Using Resources	1. Energy 2. Electricity 3. Particle Model of Matter. 4. Atomic Structure 5. Forces 6. Waves 7. Electromagnetism
Throughout this subject student will also have the opportunity to:		
<ul style="list-style-type: none"> - Develop their scientific thinking. - Develop experimental skills and strategies. - Develop their analysis and evaluation. 		
Develop their use of scientific vocabulary, quantities, units, symbols and nomenclature.		
How your work will be assessed		
Combined science is a linear qualification and students complete all of their assessments at the end of Year 11. Examples of the past papers and mark schemes can be seen here: http://www.aqa.org.uk/pastpapers		
Students take 6 papers in total: 2 Biology, 2 Chemistry and 2 Physics. Each paper is 1 hour 15 minutes in length and is 70 marks.		
Questions in the written exams are also focussed around the practical activities which are outlined here https://filestore.aqa.org.uk/resources/science/AQA-8464-8465-PRACTICALS-HB.PDF		
These will count for at least 15% of the overall marks across the 6 papers.		
Post 16 Study		
The completion of Combined Science GCSEs give students a strong starting point for studying sciences at A & AS Level.		
Combined science is also a pathway into sixth form courses such as the BTEC Applied Science course.		
Possible Career		
Any job with a strong basis in Science will be open to those who study sciences; Medical careers, Veterinary, Radiographer, Psychology, Forensics, Nutritionist, Mechanic, Teacher, Nurse, Laboratory Technician. There are also many transferrable skills learnt from studying science and students with A levels or degrees in science related topics are highly sought after across many professions.		
Dig Deeper: Relevant website links for further information on the course/subject		
https://filestore.aqa.org.uk/resources/science/specifications/AQA-8464-SP-2016.PDF		

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A **Bolder** future
awaits...

A new mixed secondary Academy in Isleworth, West London.



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Our Curriculum

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Science and IT

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Reasons to do a subject...

- You like the subject!
- You find it interesting
- It is something you might want to study in 6th Form
- It relates to a career you are interested in
- You are good at the subject!

Reasons to not do a subject...

- Because your friends are taking the subject
- Because you like the teacher
- Because you think it will be easy
- Because your brother/sister took the subject
- It is a new subject and you don't really know what it involves
- Because they have a cool trip

What grade will students receive?

Grading new GCSEs from 2017

New grading structure	Current grading structure
9	A*
8	
7	
6	B
⑤ STRONG PASS	
④ STANDARD PASS	
3	D
2	E
1	F
	G
U	U

What do students have to study...

Maths

English

Students will receive two qualifications:

- English Language
- English Literature

Science

Students will all study combined Science.

Triple Science is an optional subject area that is available.

Options Choice 1

Students will pick **2 subjects** from this list:

History

Geography

Spanish

French

PE

Computing

If students are fluent in a home language, this may also be a possibility here depending on the language.

Options Choice 2

Students will pick **2 subjects** from this list:

Computing

PE

Art

DT

Religious Education

Drama

Music

Triple Science

Next Steps – for students

1. Start having discussions with your teachers about subjects you are thinking about for next year.
 - Do you know what is expected?
 - Do you know how you will be assessed?
2. Start talking to your families about subject advice.
3. Start speaking with your form tutors about subjects and your interests
4. You will be emailed when the information booklet has been published on each subject. When it has, read it!