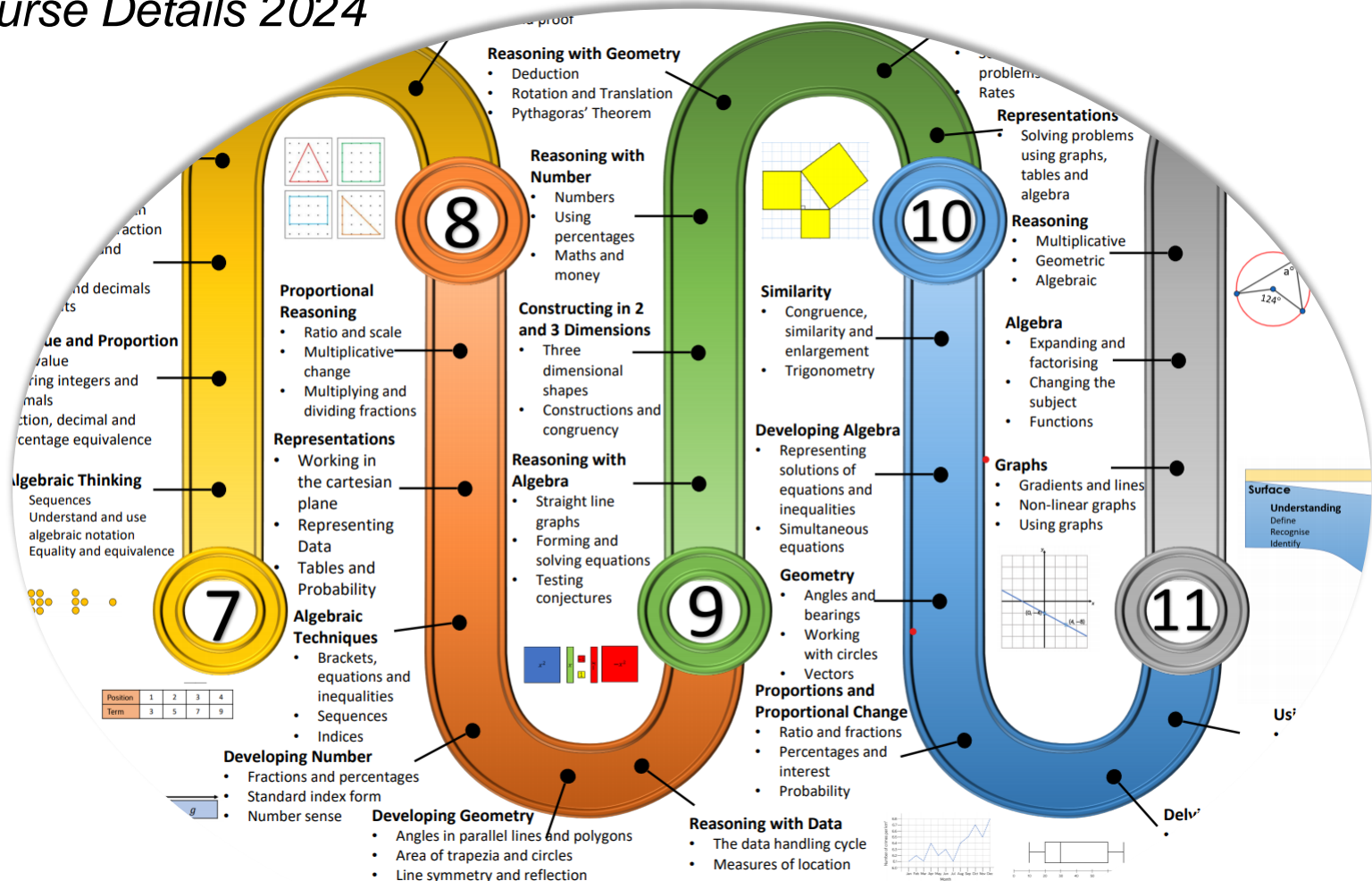


YEAR 9 OPTIONS EVENING



GCSE Mathematics

Course Details 2024



YEAR 9 OPTIONS EVENING



GCSE Mathematics

February 2024

You are here

Year 10 Scheme

	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10	Week 11	Week 12
Autumn	Similarity						Developing Algebra					
	Congruence, similarity and enlargement			Trigonometry			Representing solutions of equations and inequalities			Simultaneous equations		
Spring	Geometry						Proportions and Proportional Change					
	Angles & bearings		Working with circles		Vectors		Ratios & fractions		Percentage and Interest		Probability	
Summer	Delving into data						Using number					
	Collecting, representing and interpreting data						Non-calculator methods		Types of number and sequences		Indices and Roots	

	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10	Week 11	Week 12
Autumn	Reasoning with Algebra						Constructing in 2 and 3 Dimensions					
	Straight line graphs		Forming and solving equations		Testing conjectures		Three dimensional shapes			Constructions and Congruency		
Spring	Reasoning with Number						Reasoning with Geometry					
	Numbers		Using percentages		Maths and money		Reduction		Rotation and translation		Pythagoras' Theorem	
Summer	Reasoning with Proportion						Representations					
	Enlargement and similarity		Solving ratio and proportion problems		Rates		Solving problems using graphs, tables and algebra					

Year 11 Scheme

	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10	Week 11	Week 12
Autumn	Graphs						Algebra					
	Gradients & lines		Non-linear graphs		Graphing		Expanding & factorising		Solving the subject		Solving functions	
Spring	Reasoning						Revision and Communication					
	Multiplicative		Geometric		Algebraic		Transforming & constructing		Listing & describing		How that...	
Summer												

GCSE (9-1) Mathematics

All students will follow the same scheme of learning.

Students entered for the Higher Tier will be taught extra content in their lessons.

YEAR 9 OPTIONS EVENING

GCSE Mathematics



- 1 Number
- 2 Algebra
- 3 Ratio, proportion and rates of change
- 4 Geometry and measures
- 5 Probability
- 6 Statistics

Pearson Edexcel Level 1/Level 2 GCSE (9–1) in Mathematics

- The assessments will cover the following content headings:
 - 1 Number
 - 2 Algebra
 - 3 Ratio, proportion and rates of change
 - 4 Geometry and measures
 - 5 Probability
 - 6 Statistics
- Two tiers are available: Foundation and Higher (content is defined for each tier).
- Each student is permitted to take assessments in either the Foundation tier or Higher tier.
- 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.
- Paper 1 is a non-calculator assessment and a calculator is allowed for Paper 2 and Paper 3.
- Each paper is 1 hour and 30 minutes long.
- Each paper has 80 marks.
- The content outlined for each tier will be assessed across all three papers.
- Each paper will cover all Assessment Objectives, in the percentages outlined for each tier. (See the section *Breakdown of Assessment Objectives* for more information.)
- Each paper has a range of question types; some questions will be set in both mathematical and non-mathematical contexts.
- See *Appendix 3* for a list of formulae that can be provided in the examination (as part of the relevant question).
- Two assessment series available per year: May/June and November*.
- First assessment series: May/June 2017.
- The qualification will be graded and certificated on a nine-grade scale from 9 to 1 using the total mark across all three papers where 9 is the highest grade. Individual papers are not graded.
- Foundation tier: grades 1 to 5.
- Higher tier: grades 4 to 9 (grade 3 allowed).

YEAR 9 OPTIONS EVENING



GCSE Mathematics

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GCSE (9-1) Mathematics

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YEAR 9 OPTIONS EVENING



GCSE Mathematics

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GCSE (9-1) Mathematics

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Higher tier: grades 4 to 9

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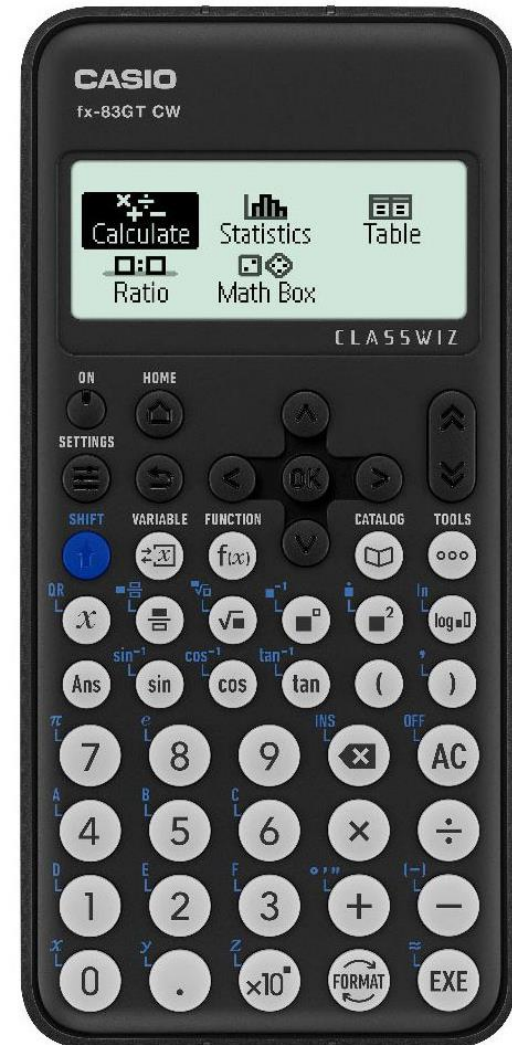


GCSE Mathematics

Calculators

All students need to have their own calculator

We recommend Casio fx-83GT CW



YEAR 9 OPTIONS EVENING



GCSE Mathematics

USEFUL Websites

MathsWatch

www.vle.mathswatch.co.uk

online videos/tasks

MathsBot

www.mathsbot.com

problem solving questions generator

MathsGenie

www.mathsgenie.co.uk

past paper bank w/ solutions & videos

