GCSE (9–1)

MATHEMATICS J560

OCR
Oxford Cambridge and RSA

Mapping to Cambridge Assessment Resource Plus (Cambridge IGCSE™ Mathematics 0580 Resources)

OCR GCSE Mathematics (J560) mapped to resources originally produced for Cambridge Internal IGCSE ™ Mathematics 0580)

There are many resources on this site that can be used when teaching OCR GCSE (9-1) Mathematics. The resources include Teachers Packs (available in PDF and Word formats) containing lesson plans and activity sheets, PowerPoints for use in each lesson, interactive tools, videos and some practice questions.

The Teaching Packs have been written by classroom teachers to help deliver topics and skills that can be challenging. Use these materials to supplement your teaching and engage your students. You can also use them to help you create lesson plans for other skills. This content is designed to give you and your students the chance to explore mathematical skills. It is not intended as specific practice for exam papers.

We have also produced a student version of this Resource Plus course that you can now use more flexibly to teach your students while they aren't in class. Use the student course to:

Link students directly to materials through your own VLE or web page

- Link students directly to materials through your own VLE or web page
- Give students access to materials without exposing the teaching resources
- Allow access to student materials on any device.

Please note that not all resources on this website may be appropriate for teaching the OCR GCSE (9-1) Mathematics qualification.

OCR GCSE (9-1) mathematics content	Cambridge IGCSE™ Mathematics 0580 Topic	Resources	Notes
Lesson 1: OCR 4.01a Lesson 2: OCR 4.01c Lesson 3: OCR 4.01a, OCR 4.01c Lesson 4: OCR 4.01c, OCR 6.02b	Number: Accuracy and bounds	https://ocr.org.uk/rpgmath1	Lesson 1: Accuracy and bounds to the nearest 10, 100 or 1000
			Lesson 2: Accuracy and bounds to 3 decimal places
			Lesson 3: Accuracy and bounds to significant figures
			Lesson 4: Substituting bounds into formulae (extended)
Lesson 1: OCR 7.02a Lesson 2: OCR 7.02a, OCR 7.04b Lesson 3: OCR 7.02a, OCR 7.02b Lesson 4: OCR 7.02a, OCR 7.02b	Coordinate geometry: Straight line graphs	https://ocr.org.uk/rpgmath2	Lesson 1: Find the gradient of a straight line
			Lesson 2: Interpret and obtain the equation of a straight line
			Lesson 3: Determine the equation of a straight line parallel to a given line
			Lesson 4: Find the gradient of parallel and perpendicular lines

OCR GCSE (9-1) mathematics content	Cambridge IGCSE™ Mathematics 0580 Topic	Resources	Notes
Lesson 1: OCR 9.04c Lesson 2: OCR 10.01c Lesson 3: OCR 10.01c Lesson 4: OCR 9.04c, OCR 10.01c	Geometry: Scale drawings	https://ocr.org.uk/rpgmath3	Lesson 1: Similar shapes and scale factors
			Lesson 2: Maps
			Lesson 3: Other real life examples of scale drawings
			Lesson 4: Extended scale and area (Extended only)
Lesson 1: OCR 8.01f, OCR 8.05a Lesson 2: OCR 8.05c Lesson 3: OCR 8.05b Lesson 4: OCR 8.05d, OCR 8.05h Lesson 5: OCR 8.05f, 8.05g	Geometry: Circle theorems	https://ocr.org.uk/rpgmath4	Lesson 1: Drawing and describing circles
			Lesson 2: Angle in a semicircle
			Lesson 3: Angle at the centre of a circle
			Lesson 4: Angles in the same and opposite segments
			Lesson 5: The remaining circle theorems
Lesson 1: OCR 10.01a Lesson 2: OCR 9.04c, OCR 10.01a Lesson 3: OCR 10.01b Lesson 4: OCR 7.04a, OCR 7.04b, OCR 5.02a Lesson 5: OCR 7.04c	Mensuration: Unit conversions	https://ocr.org.uk/rpgmath5	Lesson 1: Converting between simple units of measure
			Lesson 2: Area and volume
			Lesson 3: Compound measures
			Lesson 4: Interpreting travel and conversion graphs
			Lesson 5: Interpreting travel graphs (Extended only)
Lesson 1: OCR 10.02b Lesson 2: OCR 10.03d Lesson 3: OCR 10.02b, OCR 10.03d	Mensuration: The circle	https://ocr.org.uk/rpgmath6	Lesson 1: Circumference of a circle
			Lesson 2: Area of a circle
			Lesson 3: Arc length and sector areas
Lesson 1: OCR 8.03a, OCR 8.03b, OCR 8.03c, OCR 8.03d Lesson 2: OCR 10.01c Lesson 3: OCR 10.01c, OCR 10.05b	Trigonometry: Bearings	https://ocr.org.uk/rpgmath7	Lesson 1: Angle facts
			Lesson 2: Bearings, compass points and angle facts
			Lesson 3: Trigonometry and bearings

OCR GCSE (9-1) mathematics content	Cambridge IGCSE™ Mathematics 0580 Topic	Resources	Notes
Lesson 1: OCR 9.03a Lesson 2: OCR 9.03b, OCR 9.01c Lesson 3: OCR 9.03a Lesson 4: OCR 9.03a, 10.05a, 10.05b Lesson 5: OCR 9.03a	Vectors and transformations: Vectors	https://ocr.org.uk/rpgmath8	Lesson 1: Properties of vectors
			Lesson 2: Vectors and translations
			Lesson 3: Adding and subtracting vectors
			Lesson 4: Vectors in real life contexts (extended only)
			Lesson 5: Vector geometry (extended only)
Lesson 1: OCR 11.02a, OCR 11.02b Lesson 2: OCR 11.02f Lesson 3: OCR 11.02d Lesson 4: OCR 11.02c, OCR 11.02f Lesson 5: OCR 11.02d, OCR 11.02e, OCR 11.02f	Probability: Probability	https://ocr.org.uk/rpgmath9	Lesson 1: Possibility space diagrams
			Lesson 2: Area and volume
			Lesson 3: Draw and interpret tree diagrams
			Lesson 4: Conditional probability (extended)
			Lesson 5: Tree diagrams and more complex probabilities
Lesson 1: OCR 12.02a, OCR 12.03c Lesson 2: OCR 12.02a, OCR 12.02b Lesson 3: OCR 12.03a, OCR 12.03c Lesson 4: OCR 12.02b, OCR 12.03a	Statistics: Statistics	https://ocr.org.uk/rpgmath10	Lesson 1: Predicting tools, considering data models and effective questioning
			Lesson 2: Bar charts and histograms
			Lesson 3: Representations, restrictions and relationships between data NOTE: Lesson 3 contains materials relating to stem and leaf diagrams. In the PowerPoint please ignore slides 9-16; worksheet 3a should be omitted as well as any questions on stem and leaf diagrams in the Past Papers.
			Lesson 4: Cumulative frequency and box-and-whisker plots

www.ocr.org.uk

OCR Customer Support Centre

General qualifications

Telephone 01223 553998

Facsimile 01223 552627

Email general.qualifications@ocr.org.uk

Cambridge Assessment