

EOY Exam - Year 10 Higher Revision list

Week 1 28 Aug (Ins 1)	Week 2 4 Sep	Week 3 11 Sep	Week 4 18 Sep	Week 5 25 Sep	Week 6 2 Oct	Week 7 9 Oct	Week 8 16 Oct
4 lessons per week	Number 1 (16 lessons)				Number 2 (20 lessons)		
				CA1			CA2
Holiday 23 Oct	Week 9 30 Oct	Week 10 6 Nov	Week 11 13 Nov	Week 12 20 Nov (Ins 24)	Week 13 27 Nov	Week 14 4 Dec	Week 15 11 Dec
	Number 2 (20 lessons)		EXAM PERIOD	Algebra 1 (24 lessons)			
			CA3 Full Exam				CA4
Week 16 18 Dec (off 22-23)	Holiday 25 Dec	Holiday 1 Jan (Ins 5,6)	Week 17 8 Jan	Week 18 15 Jan	Geometry 1 (30 lessons)		
Algebra 1 (24 lessons)			Algebra 1 (24 lessons)	CA5		CA6	
Week 22 12 Feb	Holiday 19 Feb	Week 23 26 Feb	Week 24 5 Mar	Week 25 12 Mar	Week 26 19 Mar	Week 27 26 Mar	Week 28 2 Apr
Geometry 1 (30 lessons)		Geometry 1 & Basic trigonometry (30 lessons)			EXAM PERIOD	Algebra 2 (24 lessons)	
		CA7			CA8-Full Exam		
Holiday 9 Apr	Holiday 16 Apr	Week 29 23 Apr	Week 30 30 April	Week 31 7 May	Algebra 2 (24 lessons)		Holiday 28 May
			CA9				

Two exam 50 mins each – 1st exam Non-Calculator 2nd exam Calculator — Week beginning 11th June

Exam could be on any topic that we have covered this year up to algebra 2, with some basic foundation knowledge that we would expect Higher pupils to have retained.

Topics that could be tested

- **Number**
- Multiplying/Dividing whole numbers and decimals
- Properties of numbers - Factors, multiples and primes
- Highest common factor and lowest common multiple – HCF/LCM
- Fraction essentials – Ordering, equivalent, cancelling and mixed numbers
- Fractions – Add/Subtract/Multiply and divide
- Estimates
- Ratio – Splitting, equivalents, 3 way problems, ratio in context
- Direct and inverse proportion (not involving k)
- Conversion graphs
- Negative numbers – add, subtract, multiply and divide
- Fraction, decimal and percentage conversions
- Recurring decimals as fractions
- Increase and decrease percentages (calc and non calc)
- Reverse percentages
- Percentage profit and loss
- Compound interest and depreciation/simple interest
- Using a calculator/BIDMAS
- Standard form – converting numbers and calculating in standard form add, subtract, multiply and divide (calc and non calc)
- Substitution into formulas
- Conversions – Metric and imperial conversions

- Upper and lower bounds
- Error intervals

- **Algebra 1**
- Writing expressions, simplifying
- Expanding and simplifying, expand 3 brackets
- Factorising (single brackets)
- Solving equations (including fractional)
- Trial and improvement/iteration
- Nth term of linear/quadratic sequences
- Geometric and arithmetic progressions
- Draw linear graphs and real life graphs
- Composite functions
- Naming straight line graphs
- Solve simultaneous equations from graphs and algebraically
- Factorising quadratics (and when $a > 1$)

- **Geometry**
- Missing angles in triangles/quadrilaterals/line/point/parallel lines etc
- Shape properties of quadrilaterals and triangles
- Exterior and interior angles in polygons
- Congruent and similar shapes using proofs
- Loci and constructions
- Pythagoras and trigonometry – finding sides and angles
- 3D trigonometry and Pythagoras
- Area of basic 2D shapes – rectangle, triangle, trapezium etc
- Area of composite shapes
- Area/circumference of circles
- Area of sectors
- Surface area of shapes – Cuboids, cylinders, prisms, cones, spheres
- Volume of shapes including - Cuboids, cylinders, prisms, cones, spheres
- Similarity – To find lengths areas and volumes
- Volume and surface area of frustums

- **Algebra 2**
- Change the subject of a formula including (unknowns on both sides)
- Inequalities – including drawing on a number line, reading
- Solving quadratic and linear inequalities
- Shading regions using inequalities
- Direct and inverse proportion
- Recognise and plot curved graphs
- Midpoints and length of lines

You may wish to use [Mathswatch](#), [Kerboodle](#), your exercise book and old assessment passports to help with revision

Any questions ask your maths teacher

Good luck