

EOY Exam - Year 10 Set 3 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 BOTH NON CALC – 1 will be Higher, the other Foundation – We will be using this to decide on the suitability for Higher/Foundation GCSE - Week beginning 11th June

Exam could be on any topic that we have covered this year up to algebra 2,

Higher topics Highlighted

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 (non calc)
- Percentage profit and loss
- Using a calculator/BIDMAS
- Standard form – converting numbers and calculating in standard form add, subtract, multiply and divide (non calc)
- Substitution into formulas

- Conversions – Metric and imperial conversions
- Error intervals
- **Algebra 1**
- Writing expressions, simplifying
- Expanding and simplifying, expand 3 brackets
- Factorising (single brackets)
- Solving equations (including fractional)
- Nth term of linear/nth term 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
- Area of basic 2D shapes – rectangle, triangle, trapezium etc
- Area of composite shapes
- Area/circumference of circles (in terms of π)
- Area of sectors (in terms of π)
- 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
- **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 (easy numbers to substitute)
- 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