Higher B1, Y1, B2 Mrs Huxley, Mrs McCarten and Mrs Hanson.

Students will complete 3 exam papers for 1hr 30 min each.

Paper 2 is non calculator and paper 1 and 3 are calculator. All papers are Edexcel.

The revision lists start easy and get more difficult. Students should not be expected to complete the whole list. They should find the areas they need to work on and complete those, some may find the start too easy or the end too difficult. They may also not have covered some things in class yet and that is to be expected.

All clip numbers can be put in the search box on Sparx maths to find a video and questions to answer.

**Paper 1 - Wed 24th May Calculator**

| | |
|---|---|
| Solving inequalities with the variable on both sides | U738 |
| Solving double inequalities | U145 |
| Plotting straight line graphs | U741 |
| Constructing fractions, Finding fractions of amounts | U163,U916 |
| Selecting sampling techniques | U162 |
| Finding the volume of cubes and cuboids | U786 |
| Finding unknown sides in right-angled triangles | U283 |

**Paper 2 - Monday 5th and Tuesday 6th June - Non Calculator**

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|---|---|
| Simplifying expressions using index laws | U662 |
| Simplifying expressions using index laws | U662 |
| Simplifying expressions using index laws | U662 |
| Finding the LCM, Finding the LCM using prime factor decomposition | U751,U250 |
| Finding the HCF using prime factor decomposition | U250 |
| Finding equations of straight line graphs | U315 |
| Finding percentages of amounts with a calculator, Writing and simplifying ratios | U349,U687 |

**Paper 3 - Wednesday 14th June - calculator**

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|---|---|
| Interpreting scatter graphs | U277 |
| Interpreting scatter graphs | U277 |
| Interpreting scatter graph, Presenting data and making conclusions | U277,U571 |
| Expanding single brackets | U179 |
| Finding the area of trapeziums, Finding the area of triangles | U265,U945 |
| Tree diagrams for independent events | U558 |
| Finding unknown angles in right-angled triangles | U545 |

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|---|---|---|---|---|---|
| Finding error intervals for truncated numbers | U301 | Plotting graphs of quadratic functions | U989 | Finding unknown angles in right-angled triangles | U545 |
| Sharing amounts in a given ratio | U577 | Plotting graphs of quadratic functions | U989 | Probabilities of mutually exclusive events | U683 |
| Using standard form with negative indices | U534 | Solving quadratic equations graphically | U601 | Writing probabilities as fractions, decimals and percentages | U510 |
| Using standard form with positive indices | U330 | Calculating with pressure | U527 | Solving equations with the variable on both sides | U870 |
| Similar shapes, Converting between ratios, fractions and percentages | U630,U176 | Enlargement by a positive scale factor | U519 | Angles in polygons | U427 |
| Similar shapes, Converting between ratios, fractions and percentages | U630,U176 | Sample space diagrams, Frequency trees, Venn diagrams | U104,U280,U476 | Standard form with a calculator | U161 |
| Tree diagrams for independent events | U558 | Compound interest calculations | U332 | Percentage change with a calculator | U671 |
| Tree diagrams for independent events | U558 | Understanding column vectors | U632 | Finding the lowest common multiple | U751 |
| Drawing cumulative frequency graphs | U182 | Understanding column vectors | U632 | Finding original values in percentage calculations | U286 |
| Drawing cumulative frequency graphs | U182 | Substituting into functions | U637 | Finding equations of linear real-life graphs | U862 |
| Interpreting cumulative frequency graphs | U642 | Substituting into composite functions | U895 | Finding equations of linear real-life graphs | U862 |
| Finding the area of sectors, Finding the arc length of sectors | U373,U221 | Graphs of direct and inverse proportion | U238 | Finding equations of linear real-life graphs | U862 |
| Dividing algebraic fractions | U824 | Circle theorems | U251,U489,U807 | Finding the surface area and volume of similar shapes | U110 |
| Estimating gradients of non-linear graphs | U800 | Circle theorems | U251,U489,U807 | Using the product rule for counting | U369 |

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|---|---|---|---|---|---|
| Calculating acceleration from velocity-time graphs | U562 | Estimating gradients of non-linear graphs using tangents | U800 | Estimating areas under non-linear graphs | U882 |
| Estimating areas under non-linear graphs | U882 | Tree diagrams for dependent events | U729 | Estimating areas under non-linear graphs | U882 |
| Changing the subjects of formulae | U556 | Tree diagrams for dependent events | U729 | Quadratic sequences, Simultaneous equations involving quadratics | U206,U547 |
| Equations of parallel and perpendicular lines | U898 | Equations of circles and tangents | U567 | Position-to-term rules for quadratic sequences | U206 |
| Sharing amounts in a given ratio, Finding the lowest common multiple (LCM) | U577,U751 | Solving simultaneous equations involving quadratics graphically | U875 | The sine rule, The cosine rule | U952,U591 |
| Ratios, Finding the lowest common multiple (LCM) | U753,U577,U751 | Interpreting histograms | U983 | Substituting, Finding approximate solutions to equations using iteration | U585,U168 |
| Angles in segments and cyclic quadrilaterals | U251 | Drawing box plots | U879 | Finding approximate solutions to equations using iteration | U168 |
| Using Pythagoras' theorem in 3D, Trigonometry in 3D shapes | U541,U170 | Trigonometry in 3D shapes | U170 | Finding approximate solutions to equations using iteration | U168 |
| Solving geometric problems using vectors | U781 | Finding the surface area of spheres | U893 | Understanding sin, cos and tan, Solving quadratic equations | U605,U960,U665 |
| Solving geometric problems using vectors | U781 | Rationalising denominators containing two terms | U281 | Venn diagrams | U476 |
| | | Rationalising denominators containing a single term | U707 | Geometric proofs with congruence and similarity | U887 |
| | | Calculating with density, Finding error intervals for calculations | U910,U587 | Geometric proofs with congruence and similarity | U887 |