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| **SEPTEMBER**  | **OCTOBER** | **NOVEMBER** |
| **Weeks 1 – 3** **Number:**Basic number | **Weeks 4 – 6****Geometry and measures:**Measures and scale drawings | **Week 7***Review and revision 1* | **Week 8***Holiday* | **Weeks 9 – 10** **Statistics:**Charts, tables and averages |
| **NOVEMBER** | **DECEMBER** | **JANUARY** |
| **Weeks 11 – 12** **Geometry and measures:**Angles | **Weeks 13 – 14** **Number:**Number properties | **Week 15***Year 9 examinations and revision* | **Week 16***Holiday* | **Week 17***Holiday* | **Weeks 18 – 19** **Number:**Number properties | **Weeks 20 – 21** **Number:**Approximations |
| **JANUARY** | **FEBRUARY** | **MARCH** |  |
| **Week 22****Number:**Decimals and fractions | **Week 23***Review and Revision 2* | **Week 24***Holiday* | **Weeks 25 – 26** **Number:**Decimals and fractions | **Weeks 27 – 29** **Algebra:**Linear graphs | **Week 30***Review and revision 3* |
| **APRIL** | **MAY** | **JUNE** |
| **Week 31***Holiday* | **Week 32***Holiday* | **Week 33****Algebra:**Linear graphs | **Weeks 34 – 35** **Algebra:**Expressions and formulae | **Week 36***Review and revision 4* | **Week 37***Review and revision 4* | **Week 38***Holiday* | **Weeks 39 – 40** **Algebra:**Expressions and formulae |
| **JUNE** | **JULY** |  |
| **Week 41***Summer examinations and revision* | **Week 42***Summer examinations and revision* | **Weeks 43 – 45** **Ratio and proportion and rates of change:**Ratio, speed and proportion |

**3 year Edexcel Foundation tier Route Map YEAR 9**

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| **SEPTEMBER**  | **OCTOBER** | **NOVEMBER** |
| **Week 1***Review and revision 5* | **Week 2 – 4****Geometry and measures:**Perimeter and area | **Weeks 5 – 6** **Geometry and measures:**Transformations | **Week 7***Review and revision 6* | **Week 8***Holiday* | **Week 9** **Geometry and measures:**Transformations | **Week 10****Probability:**Probability and events |
| **NOVEMBER** | **DECEMBER** | **JANUARY** |
| **Weeks 11 – 12** **Probability:** Probability and events | **Week 13****Geometry and measures:**Volumes and surface areas of prisms | **Week 14***Examinations and revision* | **Week 15***Examinations and revision* | **Week 16***Holiday* | **Week 17***Holiday* | **Weeks 18 – 19** **Geometry and measures:**Volumes and surface areas of prisms | **Week 20****Number:**Recap and review |
| **JANUARY** | **FEBRUARY** | **MARCH** |  |
| **Weeks 21 – 22** **Algebra:**Linear equations | **Week 23***Review and Revision 7* | **Week 24***Holiday* | **Weeks 25 – 26** **Algebra:**Linear equations | **Week 27****Statistics:** Recap and review | **Weeks 28 – 29** **Ratio and proportion and rates of change:** Percentages and compound measures | **Week 30***Review and revision 8* |
| **APRIL** | **MAY** | **JUNE** |
| **Week 31***Holiday* | **Week 32***Holiday* | **Weeks 33 – 35** **Ratio and proportion and rates of change:**Percentages and variation | **Week 36***Review and revision 9* | **Week 37***Review and revision 9* | **Week 38***Holiday* | **Weeks 39 – 40** **Statistics:**Representation and interpretation |
| **JUNE** | **JULY** |  |
| **Week 41***Summer examinations and revision* | **Week 42***Summer examinations and revision* | **Week 43** **Statistics:** Representation and interpretation | **Weeks 44 – 45** **Geometry and measures:**Constructions and loci |

**3 year Edexcel Foundation tier Route Map YEAR 10**

**3 year Edexcel Foundation tier Route Map YEAR 11**

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| **SEPTEMBER**  | **OCTOBER** | **NOVEMBER** |
| **Week 1***Review and revision 10* | **Weeks 2 – 4** **Geometry and measures:**Curved shapes and pyramids | **Weeks 5 – 6** **Algebra:**Number and sequences | **Week 7***Review and revision 11* | **Week 8***Holiday* | **Week 9** **Algebra:** Recap and review | **Weeks 10 – 11** **Geometry and measures:**Right-angled triangles |
| **NOVEMBER** | **DECEMBER** | **JANUARY** |
| **Weeks 12 – 13** **Geometry and measures:**Right-angled triangles | **Week 14***Mock examinations and revision* | **Week 15***Mock examinations and revision* | **Week 16***Holiday* | **Week 17***Holiday* | **Weeks 18 – 19** **Geometry and measures:**Congruency and similarity | **Weeks 20 – 21** **Probability:** Combined events |
| **JANUARY** | **FEBRUARY** | **MARCH** |  |
| **Week 22***Review and revision 12* | **Week 23***Holiday* | **Weeks 24 – 26****Number:**Powers and standard form | **Weeks 27 – 28** **Algebra:**Simultaneous equations and linear inequalities | **Week 29***Review and revision 13* | **Week 30***Holiday* |
| **APRIL** | **MAY** | **JUNE** |
| **Week 31***Holiday* | **Week 32****Algebra:**Simultaneous equations and linear inequalities | **Weeks 33 – 35** **Algebra:**Non-linear graphs | **Weeks 36 – 37** *Revision* | **Week 38***Holiday* | **Weeks 39 – 40** *Revision* |
| **JUNE** | **JULY** |  |
| **Week 41***June examinations* | **Week 42***June examinations* | **Week 43**  | **Week 44** | **Week 45** |

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| **Year** | **Term** | **Week** | **Hours** | **Chapter: Topic** | **Topic break-down****(sub-topics)** | **Learning Objectives:****Students will be able to:-** |
| Year 9 | Term 1 | **Week** **1 – 3**  | 10 | 1: Number: Basic number | 1.1 Place value and ordering numbers | • use a number line to represent negative numbers• use inequalities with negative numbers• compare and order positive and negative numbers. |
| 1.3 The four rules | • use the four rules of arithmetic with integers and decimals. |
| 1.2 Order of operations and BIDMAS | • work out the answers to problems with more than one mathematical operation. |
| **Week** **4 – 6**  | 11 | 2: Geometry and measures: Measures and scale drawings | 2.1 Systems of measurement | • convert from one metric unit to another• convert from one imperial unit to another. |
| 2.2 Conversion factors | • use approximate conversion factors to change between imperial units and metric units. |
| 2.3 Scale drawings | • read and draw scale drawings• use a scale drawing to make estimates. |
| 2.4 Nets | • draw nets of some 3D shapes• identify a 3D shape from its net. |
| 2.5 Using an isometric grid | • read from and draw on isometric grids• interpret diagrams to draw plans and elevations. |
| **Week 7** | 3 | Review and revision 1 | Number |  |
| **Week 8** |  |
| **Week** **9 – 10**  | 7 | 3: Statistics: Charts, tables and averages | 3.1 Frequency tables | • use tally charts and frequency tables to collect and represent data• use grouped frequency tables to collect and represent data. |
| 3.2 Statistical diagrams | • draw pictograms to represent statistical data• draw bar charts and vertical line charts to represent statistical data. |
| 3.3 Line graphs | • draw a line graph to show trends in data. |
| 3.4 Statistical averages | • work out the mode, median, mean and range of small sets of data• decide which is the best average to use to represent a data set. |
| **Week** **11 – 12**  | 7 | 4: Geometry and measures: Angles | 4.1 Angles facts | • calculate angles on a straight line• calculate angles around a point• use vertically opposite angles. |
| 4.2 Triangles | • recognise and calculate the angles in different sorts of triangle. |
| 4.3 Angles in a polygon | • calculate the sum of the interior angles in a polygon. |
| 4.4 Regular polygons | • calculate the exterior angles and the interior angles of a regular polygon. |
| 4.5 Angles in parallel lines | • calculate angles in parallel lines. |
| 4.6 Special quadrilaterals | • use angle properties in quadrilaterals. |
| 4.7 Bearings | • use a bearing to specify a direction. |
| **Week** **13 – 14**  | 7 | 5: Number: Number properties | 5.1 Multiples of whole numbers | • find multiples of whole numbers• recognise multiples of numbers. |
| 5.2 Factors of whole numbers | • identify the factors of a number. |
| 5.3 Prime numbers | • identify prime numbers. |
| **Week 15** | 4 | Y9 examinations and revision |  |  |
|  | **Week 16** |  |
|  | **Week 17** |  |
| Term 2 | **Week** **18 – 19**  | 7 | 5: Number: Number properties | 5.4 Prime factors, LCM and HCF | • identify prime factors• identify the lowest common multiple (LCM) of two numbers• identify the highest common factor (HCF) of two numbers. |
| 5.5 Square numbers | • identify square numbers• use a calculator to find the square of a number. |
| 5.6 Square roots | • recognise the square roots of square numbers up to 225• use a calculator to find the square roots of any number. |
| 5.7 Basic calculations on a calculator | • use some of the important keys when working on a calculator. |
| **Week** **20 – 21**  | 7 | 6: Number: Approximations | 6.1 Rounding whole numbers | • round a whole number. |
| 6.2 Rounding decimals | • round decimal numbers to a given accuracy. |
| 6.3 Approximating calculations | • identify significant figures• round numbers to a given number of significant figures• use approximation to estimate answers and check calculations• round a calculation at the end of a problem, to give what is considered to be a sensible answer. |
| **Week 22** | 3 | 7: Number: Decimals and fractions | 7.1 Calculating with decimals | • multiply and divide with decimals. |
| **Week 23** | 4 | Review and revision 2 |  |  |
| **Week 24** |  |  |  |  |
| **Week** **25 – 26**  | 7 | 7: Number: Decimals and fractions | 7.2 Fractions and reciprocals | • recognise different types of fraction, reciprocal, terminating decimal and recurring decimal• convert terminating decimals to fractions• convert fractions to decimals• find reciprocals of numbers or fractions. |
| 7.3 Writing one quantity as a fraction of another | • work out a fraction of a quantity• find one quantity as a fraction of another. |
| 7.4 Adding and subtracting fractions | • add and subtract fractions with different denominators. |
| 7.5 Multiplying and dividing fractions | • multiply proper fractions• multiply mixed numbers• divide by fractions. |
| 7.6 Fractions on a calculator | • use a calculator to add and subtract fractions• use a calculator to multiply and divide fractions. |
| **Week** **27 – 29**  | 10 | 8: Algebra: Linear graphs | 8.1 Graphs and equations | • use flow diagrams to draw graphs• work out the equations of horizontal and vertical lines. |
| 8.2 Drawing linear graphs by finding points | • draw linear graphs without using flow diagrams. |
| 8.3 Gradient of a line | • work out the gradient of a straight line• draw a line with a certain gradient. |
| 8.4 *y* = *mx* + *c* | • draw graphs using the gradient-intercept method• draw graphs using the cover-up method. |
| 8.5 Finding the equation of a line from its graph | • work out the equation of a line, using its gradient and y-intercept• work out the equation of a line given two points on the line. |
| 8.6 The equation of a parallel line | • work out the equation of a linear graph that is parallel to another line and passes through a specific point. |
| 8.7 Real-life uses of graphs | • convert from one unit to another unit by using a conversion graph• use straight-line graphs to work out formulae. |
| **Week 30** | 4 | Review and revision 3 |  |  |
|  | **Week 31** |  |
|  | **Week 32** |  |
|  | **Week 33** | 4 | 8: Algebra: Linear graphs | 8.8 Solving simultaneous equations using graphs | • solve simultaneous linear equations using graphs. |
|  | **Week** **34 – 35**  | 7 | 9: Algebra: Expressions and formulae | 9.1 Basic algebra | • write an algebraic expression• recognise expressions, equations, formulae and identities. |
| 9.2 Substitution | • substitute into, simplify and use algebraic expressions. |
| 9.3 Expanding brackets | • expand brackets such as 2(*x* – 3)• expand and simplify brackets. |
| 9.4 Factorisation | • factorise an algebraic expression. |
|  | **Week 36** | 3 | Review and revision 4 |  |  |
|  | **Week 37** | 4 | Review and revision 4 |  |  |
|  | **Week 38** |  |
|  | **Week** **39 – 40**  | 7 | 9: Algebra: Expressions and formulae | 9.5 Quadratic expansion | • expand two linear brackets to obtain a quadratic expression. |
| 9.6 Quadratic factorisation | • factorise a quadratic expression of the form *x*2 + *ax* + *b* into two linear brackets. |
| 9.7 Changing the subject of a formula | • change the subject of a formula. |
|  | **Week 41** | 3 | Summer examinations and revision |  |  |
|  | **Week 42** | 4 | Summer examinations and revision |  |  |
|  | **Week** **43 – 45**  | 10 | 10: Ratio and proportion and rates of change: Ratio, speed and proportion | 10.1 Ratio | • simplify a ratio• express a ratio as a fraction• divide amounts into given ratios• complete calculations from a given ratio and partial information. |
| 10.2 Speed, distance and time | • recognise the relationship between speed, distance and time• calculate average speed from distance and time• calculate distance travelled from the speed and the time taken• calculate the time taken on a journey from the speed and the distance. |
| 10.3 Direct proportion problems | • recognise and solve problems that involve direct proportion. |
| 10.4 Best buys | • find the cost per unit mass• find the mass per unit cost• use the above to find which product is better value. |
|  |
| Year 10 | Term 1 | **Week 1** | 3 | Review and revision 5 |  |  |
| **Week** **2 – 4**  | 10 | 11: Geometry and measures: Perimeter and area | 11.1 Rectangles | • calculate the perimeter and area of a rectangle. |
| 11.2 Compound shapes | • calculate the perimeter and area of a compound shape made from rectangles. |
| 11.3 Area of a triangle | • calculate the area of a triangle• use the formula for the area of a triangle. |
| 11.4 Area of a parallelogram | • calculate the area of a parallelogram• use the formula for the area of a parallelogram. |
| 11.5 Area of a trapezium | • calculate the area of a trapezium• use the formula for the area of a trapezium. |
| 11.6 Circles | • recognise terms used for circle work• calculate the circumference of a circle. |
| 11.7 The area of a circle | • calculate the area of a circle. |
| 11.8 Answers in terms of π | • give answers for circle calculations in terms of π. |
| **Week** **5 – 6**  | 7 | 12: Geometry and measures: Transformations | 12.1 Rotational symmetry | • work out the order of rotational symmetry for a 2D shape• recognise shapes with rotational symmetry. |
| 12.2 Translation | • translate a 2D shape. |
| 12.3 Reflections | • reflect a 2D shape in a mirror line. |
| 12.4 Rotations | • rotate a 2D shape about a point. |
| 12.5 Enlargements | • enlarge a 2D shape by a scale factor. |
| 12.6 Using more than one transformation | • use more than one transformation. |
| **Week 7** | 3 | Review and revision 6 |  |  |
| **Week 8** |  |
| **Week 9** | 3 | 12: Geometry and measures: Transformations | 12.7 Vectors | • represent vectors• add and subtract vectors. |
| **Week** **10 – 12**  | 11 | 13: Probability: Probability and events | 13.1 Calculating probabilities | • use the probability scale and the language of probability• calculate the probability of an outcome of an event. |
| 13.2 Probability that an outcome will not happen | • calculate the probability of an outcome not happening when you know the probability of that outcome happening. |
| 13.3 Mutually exclusive and exhaustive outcomes | • recognise mutually exclusive and exhaustive outcomes. |
| 13.4 Experimental probability | • calculate experimental probabilities and relative frequencies from experiments• recognise different methods for estimating probabilities. |
| 13.5 Expectation | • predict the likely number of successful outcomes, given the number of trials and the probability of any one outcome. |
| 13.6 Choices and outcomes | • apply systematic listing and counting strategies to identify all outcomes for a variety of problems. |
| **Week 13** | 3 | 14: Geometry and measures: Volumes and surface areas of prisms | 14.1 3D shapes | • use the correct terms when working with 3D shapes. |
| 14.2 Volume and surface area of a cuboid | • calculate the surface area and volume of a cuboid. |
| **Week 14** | 3 | Examinations and revision |  |  |
| **Week 15** | 4 | Examinations and revision |  |  |
|  | **Week 16** |  |
|  | **Week 17** |  |
| Term 2 | **Week** **18 – 19**  | 7 | 14: Geometry and measures: Volumes and surface areas of prisms | 14.3 Volume and surface area of a prism | • calculate the volume and surface area of a prism. |
| 14.4 Volume and surface area of cylinders | • calculate the volume and surface area of a cylinder. |
| **Week 20** | 3 | Number: Recap and review |  |  |
| **Week** **21 – 22**  | 7 | 15: Algebra: Linear equations | 15.1 Solving linear equations | • solve linear equations such as 3*x* – 1 = 11 where the variable only appears on one side• use inverse operations and inverse flow diagrams• solve equations by balancing• solve equations in which the variable (the letter) appears in the numerator of a fraction |
| **Week 23** | 4 | Review and revision 7 |  |  |
| **Week 24** |  |
| **Week** **25 – 26**  | 7 | 15: Algebra: Linear equations | 15.2 Solving equations with brackets | • solve equations where you have to first expand brackets. |
| 15.3 Solving equations with the variable on both sides | • solve equations where the variable appears on both sides of the equals sign. |
| **Week 27** | 3 | Statistics: Recap and review |  |  |
| **Week** **28 – 29**  | 7 | 16: Ratio and proportion and rates of change: Percentages and compound measures | 16.1 Equivalent percentages, decimals and fractions | • convert percentages to fractions and decimals and vice versa. |
| 16.2 Calculating a percentage of a quantity | • calculate a percentage of a quantity. |
| 16.3 Increasing and decreasing quantities by a percentage | • increase and decrease quantities by a percentage. |
| 16.4 Expressing one quantity as a percentage of another | •express one quantity as a percentage of another• work out percentage change. |
| 16.5 Compound measures | • recognise and solve problems involving the compound measures of rates of pay, density and pressure. |
| **Week 30** | 4 | Review and revision 8 |  |  |
|  | **Week 31** |  |
|  | **Week 32** |  |
|  | **Week** **33 – 35**  | 10 | 17: Ratio and proportion and rates of change: Percentages and variation | 17.1 Compound interest and repeated percentage change | • calculate simple interest• calculate compound interest• solve problems involving repeated percentage change. |
| 17.2 Reverse percentage (working out the original value) | • calculate the original amount, given the final amount, after a known percentage increase or decrease. |
| 17.3 Direct proportion | • solve problems in which two variables have a directly proportional relationship (direct variation)• work out the constant of proportionality• recognise graphs that show direct variation. |
| 17.4 Inverse proportion | • solve problems in which two variables have an inversely proportional relationship (inverse variation)• work out the constant of proportionality. |
|  | **Week 36** | 3 | Review and revision 9 |  |  |
|  | **Week 37** | 4 | Review and revision 9 |  |  |
|  | **Week 38** |  |
|  | **Week** **39 – 40**  | 7 | 18: Statistics: More complex statistics | 18.1 Sampling | • obtain a random sample from a population• collect unbiased and reliable data for a sample.  |
| 18.2 Pie charts | • draw and interpret pie charts. |
| 18.3 Scatter diagrams | • draw, interpret and use scatter diagrams• draw and use a line of best fit. |
|  | **Week 41** | 3 | Summer examinations and revision |  |  |
|  | **Week 42** | 4 | Summer examinations and revision |  |  |
|  | **Week 43** | 3 | 18: Statistics: More complex statistics | 18.4 Grouped data and averages | • identify the modal group• calculate an estimate of the mean from a grouped table. |
|  | **Week** **44 – 45**  | 7 | 19: Geometry and measures: Constructions and loci | 19.1 Constructing triangles | • construct accurate drawings of triangles, using a pair of compasses, a protractor and a straight edge. |
| 19.2 Bisectors | • construct the bisectors of lines and angles• construct angles of 60° and 90°. |
| 19.3 Defining a locus | • draw a locus for a given rule. |
| 19.4 Loci problems | • solve practical problems using loci. |
|  |
| Year 11 | Term 1 | **Week 1** | 4 | Review and revision 10 |  |  |
| **Week** **2 – 4**  | 10 | 20: Geometry and measures: Curved shapes and pyramids | 20.1 Sectors | • calculate the length of an arc • calculate the area and angle of a sector. |
| 20.2 Pyramids | • calculate the volume and surface area of a pyramid. |
| 20.3 Cones | • calculate the volume and surface area of a cone. |
| 20.4 Spheres | • calculate the volume and surface area of a sphere. |
| **Week** **5 – 6**  | 7 | 21: Algebra: Number and sequences | 21.1 Patterns in number | • recognise patterns in number sequences. |
| 21.2 Number sequences | • recognise how number sequences are built up• generate sequences, given the *n*th term. |
| 21.3 Finding the *n*th term of a linear sequence | • find the *n*th term of a linear sequence. |
| 21.4 Special sequences | • recognise and continue some special number sequences• understand how prime, odd and even numbers interact in addition, subtraction and multiplication problems. |
| 2.5 General rules from given patterns | • find the *n*th term from practical problems involving sequences. |
| **Week 7** | 3 | Review and revision 11 |  |  |
| **Week 8** |  |
| **Week9** | 4 | Algebra: Recap and review |  |  |
| **Week** **10 – 13**  | 14 | 22: Geometry and measures: Right-angled triangles | 22.1 Pythagoras’ theorem | * Know what Pythagoras' theorem is
* calculate the length of the hypotenuse in a right-angled triangle.
 |
| 22.2 Calculating the length of the shorter side | * calculate the length of a shorter side in a right-angled triangle.
 |
| 22.3 Applying Pythagoras’ theorem in real-life situations | * Solve problems using Pythagoras’ theorem.
 |
| 22.4 Pythagoras’ theorem and isosceles triangles | * use Pythagoras’ theorem in isosceles triangles.
 |
| 22.5 Trigonometric ratios | * define, understand and use the three trigonometric ratios.
 |
| 22.6 Calculating lengths using trigonometry | * use trigonometric ratios to calculate a length in a right-angled triangle.
 |
| 22.7 Calculating angles using trigonometry | * use the trigonometric ratios to calculate an angle.
 |
| 22.8 Trigonometry without a calculator | * work out and remember trigonometric values for angles of 30°, 45°, 60° and 90°.
 |
| 22.9 Solving problems using trigonometry | * solve practical problems using trigonometry
* solve problems using an angle of elevation or an angle of depression.
 |
| 22.10 Trigonometry and bearings | * solve bearing problems using trigonometry.
 |
| 22.11 Trigonometry and isosceles triangles. | * use trigonometry to solve problems involving isosceles triangles.
 |
| **Week 14** | 3 | Mock examinations and revision |  |  |
| **Week15** | 4 | Mock examinations and revision |  |  |
|  | **Week 16** |  |  | 22.9 Solving problems using trigonometry |
|  | **Week 17** |  |  | 22.10 Trigonometry and bearings |
| Term 2 | **Week** **18 – 19**  | 7 | 23: Geometry and measures: Congruency and similarity | 23.1 Congruent triangles | • demonstrate that two triangles are congruent. |
| 23.2 Similarity | • recognise similarity in any two shapes• show that two shapes are similar • work out the scale factor between similar shapes. |
| **Week** **20 – 21**  | 7 | 24: Probability: Combined events  | 24.1 Combined events | • work out the probabilities when two or more events occur at the same time. |
| 24.2 Two-way tables | • read two-way tables and use them to work out probabilities. |
| 24.3 Probability and Venn diagrams | • use Venn diagrams to solve probability questions. |
| 24.2 Tree diagrams | • understand frequency tree diagrams and probability tree diagrams• use probability tree diagrams to work out the probabilities involved in combined events. |
| **Week 22** | 3 | Review and revision 12 |  |  |
| **Week 23** |  |
| **Week** **24 – 26**  | 11 | 25: Number: Powers and standard form | 25.1 Powers (indices) | • write a number as a power of another number• use powers (also known as indices)• multiply and divide by powers of 10. |
| 25.2 Rules for multiplying and dividing powers | • use rules for multiplying and dividing powers• multiply and divide numbers by powers of 10. |
| 25.3 Standard form | • write a number in standard form• calculate with numbers in standard form. |
| **Week** **27 – 28** | 7 | 26: Algebra: Simultaneous equations and linear inequalities | 26.1 Elimination method for simultaneous equations | • solve simultaneous linear equations in two variables using the elimination method. |
| 26.2 Substitution method for simultaneous equations | • solve simultaneous linear equations in two variables using the substitution method. |
| 26.3 Balancing coefficients to solve simultaneous equations | • solve simultaneous linear equations by balancing coefficients. |
| **Week 29** | 4 | Review and revision 13 |  |  |
|  | **Week 30** |  |
|  | **Week 31** |  |
| Term 3 | **Week 32** | 4 | 26: Algebra: Simultaneous equations and linear inequalities | 26.4 Using simultaneous equations to solve problems | • solve problems using simultaneous linear equations. |
| 26.5 Linear inequalities | • solve a simple linear inequality and represent it on a number line. |
| **Week** **33 – 35**  | 10 | 27: Algebra: Non-linear graphs | 27.1 Distance-time graphs | • interpret distance–time graphs• draw a graph of the depth of liquid as a container is filled. |
| 27.2 Velocity-time graphs | • read information from a velocity-time graph• work out the acceleration from a velocity-time graph |
| 27.3 Plotting quadratic graphs | • draw and read values from quadratic graphs. |
| 27.4 Solving quadratic equations by factorisation | • solve a quadratic equation by factorisation. |
| 27.5 The significant points of a quadratic curve | • identify the significant points of a quadratic function graphically• identify the roots of a quadratic function by solving a quadratic equation• identify the turning point of a quadratic function. |
| 27.6 Cubic and reciprocal graphs | • recognise and plot cubic and reciprocal graphs. |
| **Week** **36 – 37**  | 7 | Revision |  |  |
| **Week 38** |  |
| **Week** **39 – 40**  | 7 | Revision |  |  |
| **Week 41** | 3 | June examinations |  |  |
| **Week 42** | 4 | June examinations |  |  |