JMHS – Top-Level Overview for KS4 Curriculum

How to complete the Top-Level Overview:

- 1. Complete section 1 Determine the endpoint for your KS4 Curriculum (using the National Curriculum) what do students need to be able to know, do and understand by the end of Y11? Use the audit of the National Curriculum that you previously completed and your exam board specification.
- 2. Complete section 2 Which topics will you be covering in each term?
- 3. Review Are the topics in the correct order to sequence the curriculum? Do topics build upon previous learning? Do topics work towards the endpoint for the key stage? Does the order of topics allow opportunities to recap, revise and review previous learning?
- 4. If necessary, rearrange topics or create new topics.
- 5. Copy the topics, in your final order, into the table in section 3.
- 6. Complete section 3 What are the endpoints for each individual topic?
- 7. Review Do the endpoints work towards the overall endpoint for the key stage? Do the endpoints follow a logical order to build upon previous learning?
- 8. If necessary, change the endpoints for each topic. Carrying out the review of endpoints may lead to you changing the order of some topics or what is covered in a topic.

1. Endpoint for the end of KS4:

• Students develop secure knowledge with number, ratio and proportion, algebra, shape and measures, and data handling. They learn how to apply this knowledge fluently using suitable mathematical methods. They develop understanding by linking mathematical knowledge and methods to solve increasingly complex problems. They can apply their knowledge to a variety of problems with increasing sophistication. They use mathematical reasoning by following a line of enquiry and breaking down more complex problems into a series of simpler steps which leads to a solution.

2. Topic Overview

| Year | Autumn Term | Spring Term | Summer Term | | |
|-------|--|---|--|--|--|
| Group | Topics: | Topics: | Topics: | | |
| 10 | Number Algebra Interpreting and representing data Fractions, ratio and proportion | Angles and trigonometry Graphs Area and volume Transformations and constructions | Equations and inequalities Probability Multiplicative reasoning Similarity and congruence Further statistics | | |
| 11 | Equations and graphs Circle theorems More algebra Vectors and geometric proof | More trigonometry Proportion and graphs Revision | 1. Revision | | |

3. End point Overview

| Year | Autum | n Term | Spring | g Term | Summe | er Term |
|-------|--|--|---|--|--|--|
| Group | Topics: | Endpoints: | Topics: | Endpoints: | Topics: | Endpoints: |
| 10 | Number Algebra Interpreting and representing data Fractions, ratio and proportion | Be able to complete number skills, including rounding to significant figures, findings factors and multiples, using laws of indices, simplifying surds and rationalise denominators Know key terms including equation, expression, identity and formula and be able to use, simplify and/or solve these. Be able to define and use arithmetic, geometrics, Fibonacci and quadratic sequences Be able to draw and interpret back-to- back team and leaf diagrams, frequency polygons, grouped frequency tables, time series graphs and scatter diagrams Be able to simplify and use ratios and proportion problems Understand and be able to calculate simple interest and VAT | Angles and trigonometry Graphs Area and volume Transformations and constructions | Be able to calculate the interior and exterior angles of regular and irregular polygons Be able to find missing angles and/or lengths of triangles using Pythagoras' theorem and trigonometry, including knowing exact trigonometric values Be able to plot, identify and interpret linear equations (including velocity-time graphs), reciprocal functions, quadratic equations and cubic functions Be able to calculate the perimeters areas of key 2D shapes (including sectors) and the volume and/or surface area of a cylinder, sphere, pyramid and cones Be able to represent 3D shapes visually, including drawing plans, elevations and nets and be able to draw constructions, loci and bisectors Be able to carry out and describe transformations, including enlargements | Equations and inequalities Probability Multiplicative reasoning Similarity and congruence Further statistics | Be able to solve quadratic equations graphically, by factorising and by completing the square Be able to solve inequalities and represent them on a number line and using set notation Understand probability language and be able to calculate probability using sample space diagrams, Venn- diagrams and tree diagrams Be able to calculate compound interest, compound measures and use kinematics formulae Be able to use direct and indirect proportion equations Know when triangles are congruent and use this to solve problems, including with 2D and 3D shapes Know key statistical terms and sampling techniques Be able to draw and interpret statistical diagrams, box plots and histograms |

| | 1. | Equations and | 1. | Be able to sketch | 1. | More trigonometry | 1. | Be able to identify and | 1. | Revision | 1. |
|----|----|-----------------|----|-------------------------|----|-----------------------|----|-------------------------|----|----------|----|
| | | graphs | | and identify quadratic | 2. | Proportion and graphs | | sketch trigonometric | 2. | | |
| | 2. | Circle theorems | | and cubic graphs and | 3. | Revision | | graphs and use these | | | |
| | 3. | More algebra | | determine the | | | | to solve trigonometric | | | |
| | 4. | Vectors and | | number of roots of | | | | equations | | | |
| | | geometric proof | | any equation | | | 2. | Know and be able to | | | |
| | | | 2. | Know the circle | | | | sue the sine and | | | |
| | | | | theorems and be | | | | cosine rule | | | |
| | | | | able to apply them in | | | 3. | Be able to transform | | | |
| | | | | a range of problems | | | | trigonometric graphs | | | |
| | | | 3. | Be able to simplify | | | | using functions | | | |
| | | | | and calculate with | | | 4. | Be able to use | | | |
| | | | | algebraic fractions, | | | | proportionality | | | |
| | | | | including rationalising | | | | equations and | | | |
| | | | | the denominator | | | | exponential functions | | | |
| | | | 4. | Understand function | | | 5. | Know how to use | | | |
| 11 | | | | notation and | | | | transform graphs using | | | |
| | | | | complete direct and | | | | functions | | | |
| | | | | inverse functions | | | | | | | |
| | | | 5. | Be able to prove | | | | | | | |
| | | | | mathematical | | | | | | | |
| | | | | statements through | | | | | | | |
| | | | | the use of counter | | | | | | | |
| | | | | examples and | | | | | | | |
| | | | | algebraic | | | | | | | |
| | | | | representation of | | | | | | | |
| | | | | numbers | | | | | | | |
| | | | 6. | Understand vector | | | | | | | |
| | | | | terminology, notation | | | | | | | |
| | | | | and laws, including | | | | | | | |
| | | | | the triangles law and | | | | | | | |
| | | | | parallelogram law | | | | | | | |
| | | | | | | | | | | | |

KS4 Overview

Higher

| | Y1 Unit 1 | 1 Prior knowledge: Number | 0h |
|---|------------|---|------|
| • | Y1 Unit 1 | 1.1 Number problems and reasoning | 1h |
| | Y1 Unit 1 | 1.2 Place value and estimating | 1h |
| | Y1 Unit 1 | 1.3 HCF and LCM | 1h |
| | Y1 Unit 1 | 1.4 Calculating with powers (indices) | 1h |
| | Y1 Unit 1 | 1.5 Zero, negative and fractional indices Prereq: Y1 Unit 1 1.4 Calculating with powers (indices) | 2h |
| | Y1 Unit 1 | 1.6 Powers of 10 and standard form Prereq: Y1 Unit 1 1.5 Zero, negative and fractional indices | 2h |
| | Y1 Unit 1 | 1.7 Surds | 3h |
| | Y1 Unit 2 | 2 Prior knowledge: Algebra | 0h |
| | Y1 Unit 2 | 2.1 Algebraic indices Prereq: Y1 Unit 1 1.5 Zero, negative and fractional indices | 1h |
| | Y1 Unit 2 | 2.2 Expanding and factorising | 1h |
| | Y1 Unit 2 | 2.3 Equations Prereq: Y1 Unit 2 2.2 Expanding and factorising | 1h |
| | Y1 Unit 2 | 2.4 Formulae Prereq: Y1 Unit 2 2.3 Equations | 2h |
| | Y1 Unit 2 | 2.5 Linear sequences | 1h |
| | Y1 Unit 2 | 2.6 Non-linear sequences Prereq: Y1 Unit 2 2.4 Formulae | 2h |
| | Y1 Unit 2 | 2.7 More expanding and factorising Prereq: Y1 Unit 2 2.2 Expanding and factorising | 2h |
| | Revision | Revision | 1h |
| | Assessment | End of Unit 1: Number | 1h |
| | Assessment | End of Unit 2: Algebra | 1h |
| | Y1 Unit 1 | 1 Check up, Strengthen and Extend | 0.5h |
| | Y1 Unit 2 | 2 Check up, Strengthen and Extend | 0.5h |

| Y1 Unit 3 | 3 Prior knowledge: Interpreting and representing data | 0h |
|------------|---|------|
| Y1 Unit 3 | 3.1 Statistical diagrams 1 | 3h |
| Y1 Unit 3 | 3.2 Time series | 1h |
| Y1 Unit 3 | 3.3 Scatter graphs | 1h |
| Y1 Unit 3 | 3.4 Line of best fit Prereq: Y1 Unit 3 3.3 Scatter graphs | 1h |
| Y1 Unit 3 | 3.5 Averages and range Prereq: Y1 Unit 3 3.1 Statistical diagrams 1 | 2h |
| Y1 Unit 3 | 3.6 Statistical diagrams 2 3 Prereqs | 1h |
| Y1 Unit 4 | 4 Prior knowledge: Fractions, ratio and percentages | 0h |
| Y1 Unit 4 | 4.1 Fractions | 1h |
| Y1 Unit 4 | 4.2 Ratios Prereq: Y1 Unit 4 4.1 Fractions | 1h |
| Y1 Unit 4 | 4.3 Ratio and proportion Prereq: Y1 Unit 4 4.2 Ratios | 1h |
| Y1 Unit 4 | 4.4 Percentages Prereq: Y1 Unit 4 4.2 Ratios | 2h |
| Y1 Unit 4 | 4.5 Fractions, decimals and percentages Prereq: Y1 Unit 4 4.1 Fractions | 1h |
| Revision | Revision | 1h |
| Assessment | End of Unit 3: Interpreting and representing data | 1h |
| Assessment | End of Unit 4: Fractions, ratio and percentages | 1h |
| Y1 Unit 3 | 3 Check up, Strengthen and Extend | 0.5h |
| Y1 Unit 4 | 4 Check up, Strengthen and Extend | 0.5h |
| Y1 Unit 5 | 5 Prior knowledge: Angles and trigonometry | 0h |
| Y1 Unit 5 | 5.1 Angle properties of triangles and quadrilaterals | 1h |
| Y1 Unit 5 | 5.2 Interior angles of a polygon Prereq: Y1 Unit 5 5.1 Angle properties of triangles and quadrilaterals | 1h |
| Y1 Unit 5 | 5.3 Exterior angles of a polygon Prereq: Y1 Unit 5 5.2 Interior angles of a polygon | 1h |
| Y1 Unit 5 | 5.4 Pythagoras' theorem 1 Prereq: Y1 Unit 1 1.7 Surds | 1h |
| Y1 Unit 5 | 5.5 Pythagoras' theorem 2 2 Prereqs | 1h |
| Y1 Unit 5 | 5.6 Trigonometry 1 Prereq: Y1 Unit 5 5.5 Pythagoras' theorem 2 | 1h |
| Y1 Unit 5 | 5.7 Trigonometry 2 Prereq: Y1 Unit 5 5.6 Trigonometry 1 | 2h |

Spring Half Term 1

| Y1 Unit 6 | 6 Prior knowledge: Graphs | 0h |
|------------|--|------|
| Y1 Unit 6 | 6.1 Linear graphs Prereq: Y1 Unit 2 2.4 Formulae | 2h |
| Y1 Unit 6 | 6.2 More linear graphs Prereq: Y1 Unit 6 6.1 Linear graphs | 1h |
| Y1 Unit 6 | 6.3 Graphing rates of change Prereq: Y1 Unit 6 6.1 Linear graphs | 2h |
| Y1 Unit 6 | 6.4 Real-life graphs Prereq: Y1 Unit 6 6.1 Linear graphs | 1h |
| Y1 Unit 6 | 6.5 Line segments 2 Prereqs | 1h |
| Y1 Unit 6 | 6.6 Quadratic graphs Prereq: Y1 Unit 6 6.1 Linear graphs | 2h |
| Y1 Unit 6 | 6.7 Cubic and reciprocal graphs Prereq: Y1 Unit 6 6.6 Quadratic graphs | 2h |
| Y1 Unit 6 | 6.8 More graphs 4 Prereqs | 1h |
| Revision | Revision | 1h |
| Assessment | End of Unit 5: Angles and trigonometry | 1h |
| Assessment | End of Unit 6: Graphs | 1h |
| Y1 Unit 5 | 5 Check up, Strengthen and Extend | 0.5h |
| Y1 Unit 6 | 6 Check up, Strengthen and Extend | 0.5h |
| Y1 Unit 7 | 7 Prior knowledge: Area and volume | 0h |
| Y1 Unit 7 | 7.1 Perimeter and area | 2h |
| Y1 Unit 7 | 7.2 Units and accuracy | 1h |
| Y1 Unit 7 | 7.3 Prisms 2 Prereqs | 3h |
| Y1 Unit 7 | 7.4 Circles 2 Prereqs | 1h |
| Y1 Unit 7 | 7.5 Sectors of circles Prereq: Y1 Unit 7 7.4 Circles | 1h |
| Y1 Unit 7 | 7.6 Cylinders and spheres 2 Prereqs | 2h |
| Y1 Unit 7 | 7.7 Pyramids and cones 2 Prereqs | 2h |

Spring Half Term 2

| Y1 Unit 8 | 8 Prior knowledge: Transformations and constructions | 0h |
|------------|--|------|
| Y1 Unit 8 | 8.1 3D solids | 1h |
| Y1 Unit 8 | 8.2 Reflection and rotation | 2h |
| Y1 Unit 8 | 8.3 Enlargement | 2h |
| Y1 Unit 8 | 8.4 Transformations and combinations of different transformations 2 Prereqs | 1h |
| Y1 Unit 8 | 8.5 Scale drawings and bearings Prereq: Y1 Unit 5 5.1 Angle properties of triangles and quadrilaterals | 2h |
| Y1 Unit 8 | 8.6 Constructions 1 Prereq: Y1 Unit 8 8.5 Scale drawings and bearings | 1h |
| Y1 Unit 8 | 8.7 Constructions 2 Prereq: Y1 Unit 8 8.6 Constructions 1 | 1h |
| Y1 Unit 8 | 8.8 Loci Prereq: Y1 Unit 8 8.7 Constructions 2 | 1h |
| Revision | Revision | 1h |
| Assessment | End of Unit 7: Area and volume | 1h |
| Assessment | End of Unit 8: Transformations and constructions | 1h |
| Y1 Unit 7 | 7 Check up, Strengthen and Extend | 0.5h |
| Y1 Unit 8 | 8 Check up, Strengthen and Extend | 0.5h |

Summer Half Term 1

| | Y1 Unit 9 | 9 Prior knowledge: Equations and inequalities | 0h |
|---|------------|---|------|
| 1 | Y1 Unit 9 | 9.1 Solving linear inequalities Prereq: Y1 Unit 2 2.3 Equations | 1h |
| 1 | Y1 Unit 9 | 9.2 Solving quadratic equations 1 3 Prereqs | 1h |
| Ī | Y1 Unit 9 | 9.3 Solving quadratic equations 2 3 Prereqs | 1h |
| 1 | Y1 Unit 9 | 9.4 Completing the square Prereq: Y1 Unit 9 9.3 Solving quadratic equations 2 | 2h |
| Ī | Y1 Unit 9 | 9.5 Solving simple simultaneous equations Prereq: Y1 Unit 2 2.4 Formulae | 2h |
| Ī | Y1 Unit 9 | 9.6 More simultaneous equations Prereq: Y1 Unit 9 9.5 Solving simple simultaneous equations | 1h |
| Ī | Y1 Unit 9 | 9.7 Solving linear and quadratic simultaneous equations 2 Prereqs | 2h |
| | | | |
| | Y1 Unit 10 | 10 Prior knowledge: Probability | 0h |
| | Y1 Unit 10 | 10.1 Combined events Prereq: Y1 Unit 1 1.1 Number problems and reasoning | 1h |
| | Y1 Unit 10 | 10.2 Mutually exclusive events | 1h |
| | Y1 Unit 10 | 10.3 Experimental probability | 1h |
| | Y1 Unit 10 | 10.4 Independent events and tree diagrams 3 Prereqs | 1h |
| | Y1 Unit 10 | 10.5 Conditional probability Prereq: Y1 Unit 10 10.4 Independent events and tree diagrams | 1h |
| | Y1 Unit 10 | 10.6 Venn diagrams and set notation Prereq: Y1 Unit 10 10.5 Conditional probability | 2h |
| Ī | Revision | Revision | 1h |
| | Assessment | End of Unit 9: Equations and inequalities | 1h |
| Ì | Assessment | End of Unit 10: Probability | 1h |
| | Y1 Unit 9 | 9 Check up, Strengthen and Extend | 0.5h |
| | Y1 Unit 10 | 10 Check up, Strengthen and Extend | 0.5h |
| | Y1 Unit 11 | 11 Prior knowledge: Multiplicative reasoning | 0h |
| i | Y1 Unit 11 | 11.1 Growth and decay Prereq: Y1 Unit 4 4.4 Percentages | 1h |
| j | Y1 Unit 11 | 11.2 Compound measures 3 Prereqs | 1h |
| i | Y1 Unit 11 | 11.3 More compound measures 3 Prereqs | 1h |
| i | Y1 Unit 11 | 11.4 Ratio and proportion 4 Prereqs | 1h |

Summer Half Term 2

| Y1 Unit 12 | 12 Prior knowledge: Similarity and congruence | 0h |
|------------|--|------|
| Y1 Unit 12 | 12.1 Congruence 2 Prereqs | 1h |
| Y1 Unit 12 | 12.2 Geometric proof and congruence Prereq: Y1 Unit 12 12.1 Congruence | 1h |
| Y1 Unit 12 | 12.3 Similarity 3 Prereqs | 1h |
| Y1 Unit 12 | 12.4 More similarity 2 Prereqs | 1h |
| Y1 Unit 12 | 12.5 Similarity in 3D solids Prereq: Y1 Unit 12 12.4 More similarity | 1h |
| Revision | Revision | 1h |
| Assessment | End of Unit 11: Multiplicative reasoning | 1h |
| Assessment | End of Unit 12: Similarity and congruence | 1h |
| Y1 Unit 11 | 11 Check up, Strengthen and Extend | 0.5h |
| Y1 Unit 12 | 12 Check up, Strengthen and Extend | 0.5h |
| Y1 Unit 14 | 14 Prior knowledge: Further statistics | 0h |
| Y1 Unit 14 | 14.2 Cumulative frequency Prereq: Y1 Unit 3 3.5 Averages and range | 1h |
| Y1 Unit 14 | 14.1 Sampling Prereq: Y1 Unit 2 2.3 Equations | 1h |
| Y1 Unit 14 | 14.3 Box plots Prereq: Y1 Unit 14 14.2 Cumulative frequency | 1h |
| Y1 Unit 14 | 14.4 Drawing histograms Prereq: Y1 Unit 3 3.1 Statistical diagrams 1 | 1h |
| Y1 Unit 14 | 14.5 Interpreting histograms 3 Prereqs | 1h |
| Y1 Unit 14 | 14.6 Comparing and describing distributions 2 Prereqs | 1h |
| Revision | Revision | 1h |
| Assessment | End of Unit 14: Further statistics | 1h |
| Y1 Unit 14 | 14 Check up, Strengthen and Extend | 0.5h |

Year 10 Mocks to take place in Summer Half Term 1 date TBC

UNIT 12 - ICT unit of 4 lessons to take place immediately following the mocks.

1. Substitution into Formulae

Rationale: Be able to explain what an algorithm is.

- 2. Creating Formulae
- Rationale: Be able to create an algorithm to solve set problems.
 - 3. Prime Factor Decomposition
- Rationale: Be able to explain what decomposition is.
 - 4. HCF and LCM problems

Rationale: Be able to apply decomposition to solve set problems.

Year 11

Higher

| Y1 Unit 15 | 15 Prior knowledge: Equations and graphs | 0h |
|------------|---|------|
| Y1 Unit 15 | 15.1 Solving simultaneous equations graphically 4 Prereqs | 1h |
| Y1 Unit 15 | 15.2 Representing inequalities graphically 3 Prereqs | 2h |
| Y1 Unit 15 | 15.3 Quadratic equations 2 Prereqs | 2h |
| Y1 Unit 15 | 15.4 Using quadratic graphs 2 Prereqs | 1h |
| Y1 Unit 15 | 15.5 Cubic equations 2 Prereqs | 1h |
| Y1 Unit 15 | 15.6 Using iteration to solve equations Prereq: Y1 Unit 15 15.5 Cubic equations | 2h |
| Y2 Unit 16 | 16 Prior knowledge: Circle theorems | 0h |
| Y2 Unit 16 | 16.1 Radii and chords 4 Prereqs | 1h |
| Y2 Unit 16 | 16.2 Tangents 2 Prereqs | 1h |
| Y2 Unit 16 | 16.3 Angles in circles 1 2 Prereqs | 1h |
| Y2 Unit 16 | 16.4 Angles in circles 2 Prereq: Y2 Unit 16 16.3 Angles in circles 1 | 1h |
| Y2 Unit 16 | 16.5 Applying circle theorems 2 Prereqs | 2h |
| Revision | Revision | 1h |
| Assessment | End of Unit 15: Equations and graphs | 1h |
| Assessment | End of Unit 16: Circle theorems | 1h |
| Y1 Unit 15 | 15 Check up, Strengthen and Extend | 0.5h |
| Y2 Unit 16 | 16 Check up, Strengthen and Extend | 0.5h |

| | Y2 Unit 17 | 17 Prior knowledge: More algebra | 0h |
|---|------------|--|------|
| | Y2 Unit 17 | 17.1 Rearranging formulae Prereq: Y1 Unit 2 2.4 Formulae | 1h |
| Þ | Y2 Unit 17 | 17.2 Algebraic fractions 3 Prereqs | 1h |
| | Y2 Unit 17 | 17.3 Simplifying algebraic fractions 2 Prereqs | 1h |
| Þ | Y2 Unit 17 | 17.4 More algebraic fractions Prereq: Y2 Unit 17 17.3 Simplifying algebraic fractions | 1h |
| | Y2 Unit 17 | 17.5 Proof 2 Prereqs | 2h |
| Þ | Y2 Unit 17 | 17.6 Surds 2 Prereqs | 3h |
| Þ | Y2 Unit 17 | 17.7 Solving algebraic fraction equations Prereq: Y2 Unit 17 17.4 More algebraic fractions | 1h |
| Þ | Y2 Unit 17 | 17.8 Functions 2 Prereqs | 1h |
| | Y2 Unit 18 | 18 Prior knowledge: Vectors and geometric proof | 0h |
| Þ | Y2 Unit 18 | 18.1 Vectors and vector notation 2 Prereqs | 1h |
| Þ | Y2 Unit 18 | 18.2 Vector arithmetic 3 Prereqs | 2h |
| Þ | Y2 Unit 18 | 18.3 More vector arithmetic Prereq: Y2 Unit 18 18.2 Vector arithmetic | 1h |
| Þ | Y2 Unit 18 | 18.4 Parallel vectors and collinear points Prereq: Y2 Unit 18 18.3 More vector arithmetic | 1h |
| Þ | Y2 Unit 18 | 18.5 Solving geometric problems 2 Prereqs | 2h |
| Þ | Revision | Revision | 1h |
| Þ | Assessment | End of Unit 17: More algebra | 1h |
| | Assessment | End of Unit 18: Vectors and geometric proof | 1h |
| Þ | Y2 Unit 17 | 17 Check up, Strengthen and Extend | 0.5h |
| | Y2 Unit 18 | 18 Check up, Strengthen and Extend | 0.5h |

Spring Half Term 1

Year 11 Mocks to take place immediately in Spring Half Term 1 date.

UNIT 19 - ICT unit of 4 lessons to take place immediately following the mocks.

1. Context based Number Problems

Rationale: Be able to explain what abstraction is.

2. Surface area problems

Rationale: Be able to apply abstraction to solve set problems.

3. Finding the nth term of Linear and Quadratic Sequences *Rationale: Be able to explain what pattern recognition is.*

4. Solving Sequences Problems *Rationale: Be able to apply pattern recognition to solve set problems.*

– SOW to start mid-January as below.

| Y1 Unit 13 13.1 Accuracy 2 Prereqs Y1 Unit 13 13.2 Graph of the sine function 2 Prereqs Y1 Unit 13 13.3 Graph of the cosine function 2 Prereqs Y1 Unit 13 13.4 Graph of the tangent function 2 Prereqs Y1 Unit 13 13.5 Calculating areas and the sine rule 4 Prereqs | 1h 1h 1h 1h 1h 1h 1h 1h |
|--|--|
| Y1 Unit 13 13.2 Graph of the sine function 2 Prereqs Y1 Unit 13 13.3 Graph of the cosine function 2 Prereqs Y1 Unit 13 13.4 Graph of the tangent function 2 Prereqs Y1 Unit 13 13.5 Calculating areas and the sine rule 4 Prereqs | 1h 1h 1h 1h 1h 1h 1h |
| Y1 Unit 13 13.3 Graph of the cosine function 2 Prereqs Y1 Unit 13 13.4 Graph of the tangent function 2 Prereqs Y1 Unit 13 13.5 Calculating areas and the sine rule 4 Prereqs | 1h 1h 1h 1h 1h 1h |
| Y1 Unit 13 13.4 Graph of the tangent function 2 Prereqs Y1 Unit 13 13.5 Calculating areas and the sine rule 4 Prereqs | 1h 1h 1h 1h 1h |
| Y1 Unit 13 13.5 Calculating areas and the sine rule 4 Prereqs | 1h 1h 1h 1h |
| | 1h 1h 1h |
| Y1 Unit 13 13.6 The cosine rule and 2D trigonometric problems Prereq: Y1 Unit 13 13.5 Calculating areas and the sine rule | 1h 1h |
| Y1 Unit 13 13.7 Solving problems in 3D 2 Prereqs | 1h |
| Y1 Unit 13 13.8 Transforming trigonometric graphs 1 3 Prereqs | |
| Y1 Unit 13 13.9 Transforming trigonometric graphs 2 3 Prereqs | 1h |
| Y2 Unit 19 19 Prior knowledge: Proportion and graphs | 0h |
| Y2 Unit 19 19.1 Direct proportion Prereq: Y1 Unit 11 11.4 Ratio and proportion | 1h |
| Y2 Unit 19 19.2 More direct proportion 2 Prereqs | 1h |
| Y2 Unit 19 19.3 Inverse proportion Prereq: Y2 Unit 19 19.2 More direct proportion | 1h |
| Y2 Unit 19 19.4 Exponential functions 2 Prereqs | 2h |
| Y2 Unit 19 19.5 Non-linear graphs 5 Prereqs | 1h |
| Y2 Unit 19 19.6 Translating graphs of functions 3 Prereqs | 1h |
| Y2 Unit 19 19.7 Reflecting graphs of functions Prereq: Y2 Unit 19 19.6 Translating graphs of functions | 1h |
| Revision Revision | 1h |
| Assessment End of Unit 13: More trigonometry | 1h |
| Assessment End of Unit 19: Proportion and graphs | 1h |
| Y1 Unit 13 13 Check up, Strengthen and Extend | 0.5h |
| Y2 Unit 19 19 Check up, Strengthen and Extend | 0.5h |

Aim to End SOW approx. Early March.