

| | Term one | Term two | Term three | Term four |
|--------|--|---|--|---|
| Unit 1 | Number Space Integers and number properties <ul style="list-style-type: none"> Integers on a number line Integers on the cartesian plane | Number Algebra Patterns and algebra <ul style="list-style-type: none"> Generate number patterns Find unknown values Create and use algorithms | Number Operations, including money <ul style="list-style-type: none"> Order of operations Mixed operations Add & subtract decimals: Problem solving Multiply & divide decimals: Problem solving Budgeting | Number Algebra Number and operations review <p>Review earlier content</p> |
| | Number Addition and subtraction <ul style="list-style-type: none"> Add and subtract decimals Mental, written and digital strategies Problem solving | Number Fractions, decimals and percentages <ul style="list-style-type: none"> Find a fraction, decimal or percentage of a quantity Percentage discounts Round and estimate Problem solving | Measurement Angles <ul style="list-style-type: none"> Angles within shapes Angles on a straight line Angles at a point Vertically opposite angles Determine unknown angles | Space 3D objects <ul style="list-style-type: none"> Observe and draw shapes Compare cross-sections Right prisms Connect objects to their nets |
| Unit 2 | Number Multiplication and division: Whole numbers <ul style="list-style-type: none"> Prime, composite & square numbers Multiply & divide whole numbers Mental & written strategies | Number Algebra Multiplication and division: Decimals <ul style="list-style-type: none"> Multiply & divide decimals Powers of 10 Estimating | Measurement Capacity and mass <ul style="list-style-type: none"> Convert measurements Decimal representations Problem solving | Number Space Cartesian plane and 2D shapes <ul style="list-style-type: none"> Locate points on Cartesian plane Identify scales Draw lines and polygons Positional data |
| | Number Fractions <ul style="list-style-type: none"> Compare, order & represent common fractions Equivalent fractions Add and subtract fractions | Space 2D shapes <ul style="list-style-type: none"> Properties of 2D shapes Classification Symmetry Transformations Tessellations | Measurement Time <ul style="list-style-type: none"> Interpret and use timetables and itineraries Duration of events | Statistics Data: Interpretation <ul style="list-style-type: none"> Statistically informed arguments Plan and conduct statistical investigations Compare distributions |
| Unit 3 | Statistics Data: Representation <ul style="list-style-type: none"> Collect data Validate data Represent data Compare data sets Data visualisations | Measurement Length, perimeter and area <ul style="list-style-type: none"> Convert units of length Decimal representations of length Area formula Perimeter and area connections Problem solving | Probability Statistics Chance and data <ul style="list-style-type: none"> Represent probabilities numerically Estimate and assign probabilities List outcomes Conduct chance experiments Run simulations Record results Compare observations with expected results | Measurement Measurement review and applications <ul style="list-style-type: none"> Choose appropriate units Use measurement in everyday situations |
| | Number Multiplication and division: Whole numbers <ul style="list-style-type: none"> Prime, composite & square numbers Multiply & divide whole numbers Mental & written strategies | Number Algebra Multiplication and division: Decimals <ul style="list-style-type: none"> Multiply & divide decimals Powers of 10 Estimating | Measurement Capacity and mass <ul style="list-style-type: none"> Convert measurements Decimal representations Problem solving | Number Space Cartesian plane and 2D shapes <ul style="list-style-type: none"> Locate points on Cartesian plane Identify scales Draw lines and polygons Positional data |
| Unit 4 | Statistics Data: Representation <ul style="list-style-type: none"> Collect data Validate data Represent data Compare data sets Data visualisations | Measurement Length, perimeter and area <ul style="list-style-type: none"> Convert units of length Decimal representations of length Area formula Perimeter and area connections Problem solving | Probability Statistics Chance and data <ul style="list-style-type: none"> Represent probabilities numerically Estimate and assign probabilities List outcomes Conduct chance experiments Run simulations Record results Compare observations with expected results | Measurement Measurement review and applications <ul style="list-style-type: none"> Choose appropriate units Use measurement in everyday situations |
| | Number Fractions <ul style="list-style-type: none"> Compare, order & represent common fractions Equivalent fractions Add and subtract fractions | Space 2D shapes <ul style="list-style-type: none"> Properties of 2D shapes Classification Symmetry Transformations Tessellations | Measurement Time <ul style="list-style-type: none"> Interpret and use timetables and itineraries Duration of events | Statistics Data: Interpretation <ul style="list-style-type: none"> Statistically informed arguments Plan and conduct statistical investigations Compare distributions |
| Unit 5 | Statistics Data: Representation <ul style="list-style-type: none"> Collect data Validate data Represent data Compare data sets Data visualisations | Measurement Length, perimeter and area <ul style="list-style-type: none"> Convert units of length Decimal representations of length Area formula Perimeter and area connections Problem solving | Probability Statistics Chance and data <ul style="list-style-type: none"> Represent probabilities numerically Estimate and assign probabilities List outcomes Conduct chance experiments Run simulations Record results Compare observations with expected results | Measurement Measurement review and applications <ul style="list-style-type: none"> Choose appropriate units Use measurement in everyday situations |
| | Number Multiplication and division: Whole numbers <ul style="list-style-type: none"> Prime, composite & square numbers Multiply & divide whole numbers Mental & written strategies | Number Algebra Multiplication and division: Decimals <ul style="list-style-type: none"> Multiply & divide decimals Powers of 10 Estimating | Measurement Capacity and mass <ul style="list-style-type: none"> Convert measurements Decimal representations Problem solving | Number Space Cartesian plane and 2D shapes <ul style="list-style-type: none"> Locate points on Cartesian plane Identify scales Draw lines and polygons Positional data |

| Strand | Outcomes and content descriptions | Located |
|----------------|---|--|
| Number | VC2M6N01 recognise situations, including financial contexts, that use integers; locate and represent integers on a number line and as coordinates on the Cartesian plane | T1 U1 T2 U1 T4 U3 |
| | VC2M6N02 identify and describe the properties of prime, composite, square and triangular numbers and use these properties to solve problems and simplify calculations | T1 U3 T2 U1 |
| | VC2M6N03 apply knowledge of equivalence to compare, order and represent common fractions, including halves, thirds and quarters, on the same number line and justify their order | T1 U4 T2 U2 |
| | VC2M6N04 apply knowledge of place value to add and subtract decimals, using digital tools where appropriate; use estimation and rounding to check the reasonableness of answers | T1 U2 T2 U2 T4 U1 |
| | VC2M6N05 solve problems involving addition and subtraction of fractions using knowledge of equivalent fractions | T1 U4 T2 U2 T4 U1 |
| | VC2M6N06 multiply and divide decimals by multiples of powers of 10 without a calculator, applying knowledge of place value and proficiency with multiplication facts, using estimation and rounding to check the reasonableness of answers | T2 U3 T4 U1 |
| | VC2M6N07 solve problems that require finding a familiar fraction, decimal or percentage of a quantity, including percentage discounts, choosing efficient calculation strategies with and without digital tools | T1 U4 T2 U2 |
| | VC2M6N08 approximate numerical solutions to problems involving rational numbers and percentages, using appropriate estimation strategies | T2 U2, U3 |
| | VC2M6N09 use mathematical modelling to solve practical problems involving rational numbers and percentages, including in financial contexts; formulate the problems, choosing operations and using efficient mental and written calculation strategies, and using digital tools where appropriate; interpret and communicate solutions in terms of the situation, justifying the choices made | T1 U2, U3, U4 T2 U1, U2, U3 T3 U1 T4 U1 |
| Algebra | VC2M6A01 recognise and use rules that generate visually growing patterns and number patterns involving rational numbers | T2 U1 |
| | VC2M6A02 find unknown values in numerical equations involving brackets and combinations of arithmetic operations, using the properties of numbers and operations | T2 U1 T3 U1 |
| | VC2M6A03 design and use algorithms involving a sequence of steps and decisions that use rules to generate sets of numbers; identify, interpret and explain emerging patterns | T2 U1 |

| Strand | Outcomes and content descriptions | Located |
|--------------------|--|-------------------------|
| Measurement | VC2M6M01 convert between common metric units of length, mass and capacity; choose and use decimal representations of metric measurements relevant to the context of a problem | T2 U5 T3 U3 T4 U5 |
| | VC2M6M02 establish the formula for the area of a rectangle and use it to solve practical problems | T2 U5 T4 U5 |
| | VC2M6M03 measure, calculate and compare elapsed time; interpret and use timetables and itineraries to plan activities and determine the duration of events and journeys | T3 U4 T4 U5 |
| | VC2M6M04 identify the relationships between angles on a straight line, angles at a point and vertically opposite angles; use these to determine unknown angles, communicating reasoning | T3 U2 |
| Space | VC2M6SP01 compare the parallel cross-sections of objects and recognise their relationships to right prisms | T4 U2 |
| | VC2M6SP02 locate points in the 4 quadrants of the Cartesian plane; describe changes to the coordinates when a point is moved to a different position in the plane | T1 U1 T2 U4 T4 U3 |
| | VC2M6SP03 recognise and use combinations of transformations to create tessellations and other geometric patterns, using dynamic geometry software where appropriate | T2 U4 |
| Statistics | VC2M6ST01 interpret and compare data sets for ordinal and nominal categorical, discrete and continuous numerical variables using comparative displays or visualisations and digital tools; compare distributions in terms of mode, range and shape | T1 U5 T3 U5 T4 U4 |
| | VC2M6ST02 identify statistically informed arguments presented in traditional and digital media; discuss and critique methods, data representations and conclusions | T1 U5 T4 U4 |
| | VC2M6ST03 plan and conduct statistical investigations by posing and refining questions to collect categorical or numerical data by observation or survey, or identifying a problem and collecting relevant data; analyse and interpret the data and communicate findings within the context of the investigation | T3 U5 |
| Probability | VC2M6P01 describe probabilities using fractions, decimals and percentages; recognise that probabilities lie on numerical scales of 0–1 or 0%–100%; use estimation to assign probabilities that events occur in a given context, using common fractions, percentages and decimals | T3 U5 |
| | VC2M6P02 conduct repeated chance experiments and run simulations with an increasing number of trials using digital tools; compare observations with expected results and discuss the effect on variation of increasing the number of trials | T3 U5 |

| Strand & Topic | Outcomes | New Courses | Activities (Courses) | Skill Quests | Challenges | Ebooks |
|---|--|--|--|--|--|--|
| Unit 1 Number Space Integers and number properties Integers on a number line Integers on the cartesian plane | VC2M6N01 recognise situations, including financial contexts, that use integers ... VC2M6SP02 locate points in the 4 quadrants of the Cartesian plane ... | Y6 Integers <ul style="list-style-type: none"> Integers on the number Line Integers on the cartesian Plane Compare and order integers Integers in context | Introducing Integers <ul style="list-style-type: none"> Integers on a Number Line Ordering Integers (Number Line) Comparing Integers (<, =, >) What's the Temperature (Celsius)? | Understand integers <ul style="list-style-type: none"> Recognising situations that use integers Locating & representing integers on a number line Introducing the Cartesian plane Points on the Cartesian plane <ul style="list-style-type: none"> Locating points on the Cartesian plane | | (Y7-H) Directed Numbers <ul style="list-style-type: none"> Plotting on number lines (p 1) Opposite directions- negative numbers (p 2) Extending the number line (p 3) (Y7-H) Directed Numbers (AC Ready) <ul style="list-style-type: none"> How does it work? (pp 1-13) |
| Unit 2 Number Addition and subtraction Add and subtract decimals Mental, written and digital strategies Problem solving | VC2M6N04 apply knowledge of place value to add and subtract decimals ... VC2M6N09 use mathematical modelling to solve practical problems involving rational numbers and percentages ... | Y6 Decimals <ul style="list-style-type: none"> Decimals and place value Rounding decimals Decimals and the number Line Compare and order decimals Add decimals Subtract decimals Addition strategies with decimals Subtraction strategies with decimals | Add & subtract decimals <ul style="list-style-type: none"> Decimal Complements Adding Decimals Subtract Decimals 1 Estimate Decimal Sums 1 Estimate Decimal Differences 1 Estimate Decimal Sums 2 Estimate Decimal Differences 2 | Add/sub decimals - mental strategies <ul style="list-style-type: none"> Adding decimals using mental strategies Subtracting decimals using mental strategies Add/sub decimals - estimating <ul style="list-style-type: none"> Estimating sums & differences of decimals Add/sub decimals - written method <ul style="list-style-type: none"> Adding decimals using written method Subtracting decimals using written method Add/sub decimals - digital technologies <ul style="list-style-type: none"> Adding decimals using digital technologies Subtracting decimals using digital technologies | Number & Algebra: Addition & Subtraction LEVEL 5-7 <ul style="list-style-type: none"> Club money jar (DOK 3) Square number puzzle (DOK 3) Ropes and mazes (DOK 4) | (Y6-G) Addition and Subtraction <ul style="list-style-type: none"> Written methods (pp 20-28) |
| Unit 3 Number Multiplication and division: Whole numbers Prime, composite & square numbers Multiply & divide whole numbers Mental & written strategies | VC2M6N02 identify and describe the properties of prime, composite, square and triangular numbers ... VC2M6N09 use mathematical modelling to solve practical problems involving rational numbers and percentages ... | Coming soon | Multiples, factors, primes & composites <ul style="list-style-type: none"> Prime or Composite? Multiples Multiples of Highest Common Factor Lowest Common Multiple | Prime & composite numbers <ul style="list-style-type: none"> Introducing prime & composite numbers Square & triangular numbers <ul style="list-style-type: none"> Introducing square numbers -Describing triangular numbers Estimating <ul style="list-style-type: none"> Estimation: Multiply and Divide | Number & Algebra: Multiplication & Division LEVEL 5-7 <ul style="list-style-type: none"> True or false? (DOK 2) LEVEL 6-8 <ul style="list-style-type: none"> Many ants make light work (DOK 2) Orbiting lowest common multiples (DOK 2) | (Y7-H) Special Numbers, Factors and Multiples <ul style="list-style-type: none"> Odd, even, prime and composite numbers (p 1) Square numbers (p 3) (Y6-G) Multiplication and Division <ul style="list-style-type: none"> Mental multiplication strategies (pp 1-6) Mental division strategies (pp 7-12) Written methods (pp 13-18) Puzzles and investigations (pp 19-24) |





| Strand & Topic | Outcomes | New Courses | Activities (Courses) | Skill Quests | Challenges | Ebooks |
|---|--|---|--|--|---|---|
| <p>Unit 4 Number</p> <hr/> <p>Fractions</p> <p>Compare, order & represent common fractions Equivalent fractions Add and subtract fractions</p> | <p>VC2M6N03 apply knowledge of equivalence to compare, order and represent common fractions ...</p> <p>VC2M6N05 solve problems involving addition and subtraction of fractions ...</p> <p>VC2M6N07 solve problems that require finding a familiar fraction, decimal or percentage of a quantity ...</p> <p>VC2M6N09 use mathematical modelling to solve practical problems ...</p> | <p>Y6 Fractions</p> <ul style="list-style-type: none"> • Represent fractions • Types of fractions • Compare and order fractions with like denominators • Equivalent fractions • Simplifying fractions • Compare and order fractions • Add and subtract fractions • Add related fractions • Subtract related fractions • Problem-solving with fractions | <p>Equivalent fractions</p> <ul style="list-style-type: none"> • Equivalent Fraction Wall 1 • Equivalent Fraction Wall 2 • Shading Equivalent Fractions • Identifying Fractions on a Number Line • Mixed and Improper Fractions on a Number Line • Equivalent Fractions • Comparing Fractions 1 • Compare Fractions 1a • Compare Fractions 1b <p>Add & subtract fractions</p> <ul style="list-style-type: none"> • Add Subtract Fractions 1 • Common Denominator • Add: Common Denominator • Subtract: Common Denominator • One Take Fraction • Add Like Mixed Numbers • Subtract Like Mixed Numbers | <p>Compare & order common fractions</p> <ul style="list-style-type: none"> • Recognise, compare & represent common fractions • Comparing common fractions on a number line <p>Add & subtract proper fractions</p> <ul style="list-style-type: none"> • Adding fractions with related denominators • Subtracting fractions with related denominators • Add & subtract fractions - related denominators <p>Add & subtract mixed numerals</p> <ul style="list-style-type: none"> • Adding fractions & mixed numerals • Subtracting fractions & mixed numerals | <p>Number & Algebra: Fractions LEVEL 3–5</p> <ul style="list-style-type: none"> • Running a fraction of the race (DOK 2) <p>LEVEL 4–6</p> <ul style="list-style-type: none"> • It's a piece of pie! (DOK 2) • A yarn about simple fractions (DOK 2) | <p>(Y6-G) Fractions, Decimals and Percentages</p> <ul style="list-style-type: none"> • Fractions (pp 1–11) • Calculating (pp 28–30) |
| <p>Unit 5 Statistics</p> <hr/> <p>Data: Representation</p> <p>Collect data Validate data Represent data Compare data sets Data visualisations</p> | <p>VC2M6ST01 interpret and compare data sets for ordinal and nominal categorical, discrete and continuous numerical variables using comparative displays or visualisations and digital tools ...</p> <p>VC2M6ST02 identify statistically informed arguments presented in traditional and digital media ...</p> | <p>Coming soon</p> | | <p>Interpret, compare & describe data sets</p> <ul style="list-style-type: none"> • Two-way tables • Side-by-side column graphs • Comparing & selecting bivariate data displays | <p>Statistics & Data: LEVEL 5–7</p> <ul style="list-style-type: none"> • World rankings (DOK 4) • Lake Scaley fish (DOK 3) | <p>(Y6-G) Data Representation</p> <ul style="list-style-type: none"> • Types of graphs 1 (pp 1–6) • Types of graphs 2 (pp 10–11) • Collecting and analysing data (pp 20–21) |




| Strand & Topic | Outcomes | New Courses | Activities (Courses) | Skill Quests | Challenges | Ebooks |
|--|---|---|---|--|---|---|
| Unit 1 Number Algebra Patterns and algebra Generate number patterns Find unknown values Create and use algorithms | VC2M6N01 recognise situations, including financial contexts, that use integers ... VC2M6N02 identify and describe the properties of prime, composite, square and triangular numbers ... VC2M6N09 use mathematical modelling to solve practical problems ... VC2M6A01 recognise and use rules that generate visually growing patterns ... VC2M6A02 find unknown values in numerical equations involving brackets ... VC2M6A03 design and use algorithms involving a sequence of steps and decisions ... | Coming soon | Patterns, equations & rules <ul style="list-style-type: none"> Increasing Patterns Describing Patterns Find the Pattern Rule Table of Values Pattern Rules and Tables Number Sequences Up to 1 Million Writing Algebraic Expressions Missing Numbers: Variables Simple Substitution | Recognise & use rules for patterns <ul style="list-style-type: none"> Continuing & creating number sequences Design flowcharts to solve problems <ul style="list-style-type: none"> Designing flowcharts to solve problems Use rules & algorithms <ul style="list-style-type: none"> Manipulating numbers using a given rule Creating algorithms for sets | Number & Algebra: Equations & Expressions LEVEL 4–6 <ul style="list-style-type: none"> Writing & interpreting (DOK 3) Solving unknowns (DOK 3) Pattern rules (DOK 3) Fraction and decimal addition patterns (DOK 2) Island hopper (DOK 4) LEVEL 5–7 <ul style="list-style-type: none"> Keep it balanced (DOK 3) | (Y6-G) Patterns and Algebra <ul style="list-style-type: none"> Patterns and functions (pp 1–17) Algebraic thinking (pp 18–25) Solving equations (pp 26–33) Properties of arithmetic (pp 36–41) |
| Unit 2 Number Fractions, decimals and percentages Find a fraction, decimal or percentage of a quantity Percentage discounts Round and estimate Problem solving | VC2M6N03 apply knowledge of equivalence to compare, order and represent common fractions ... VC2M6N04 apply knowledge of place value to add and subtract decimals ... VC2M6N05 solve problems involving addition and subtraction of fractions ... VC2M6N07 solve problems that require finding a familiar fraction ... VC2M6N08 approximate numerical solutions to problems involving rational numbers ... VC2M6N09 use mathematical modelling to solve practical problems ... | Y6 Fractions <ul style="list-style-type: none"> Find a fraction of an amount Problem-solving fractions of amounts Y6 Percentages <ul style="list-style-type: none"> Percentages Fractions, decimals, percentages Percentages to fractions Fractions to percentages Percentages to decimals Decimals to percentages Decimals to fractions Fractions to decimals Expressing as a percentage Percentages of an amount Discounts Sale price | Fractions, decimals & percentages <ul style="list-style-type: none"> Fractions to Decimals Decimals to Fractions 1 Percentage to Fraction Decimals to percentages Common Fractions as Percentages (AU) Fractions to Percentages (Non-Calculator) Percents and Decimals Match Decimals and Percentages Fraction Word Problems Percentage Word Problems Model Fractions to Multiply Calculating Percentages (Mental) Solve problems with rational numbers <ul style="list-style-type: none"> Money Problems: Four Operations Time Conversions: Simple Fractions Time Conversions: Simple Decimals Estimating <ul style="list-style-type: none"> Estimate Products with Fractions | Find a fraction of a quantity <ul style="list-style-type: none"> Finding a fraction of a quantity Calculate percentages <ul style="list-style-type: none"> Calculating percentages Rational numbers & percentages <ul style="list-style-type: none"> Estimating solutions Solve practical percentage problems <ul style="list-style-type: none"> Solving practical percentage problems | Number & Algebra: Fractions LEVEL 4–6 <ul style="list-style-type: none"> The case of the missing superhero capes (DOK 2) Thunder Radio competition winners (DOK 2) Number & Algebra: Percentages LEVEL 5–7 <ul style="list-style-type: none"> Simply equal (DOK 2) Number & Algebra: Money LEVEL 5–7 <ul style="list-style-type: none"> Discount that car (DOK 4) | (Y6-G) Fractions, Decimals and Percentages <ul style="list-style-type: none"> Topic 2 – Decimal fractions (pp 12–20) Fractions of an amount (pp 21–27) |

| Strand & Topic | Outcomes | New Courses | Activities (Courses) | Skill Quests | Challenges | Ebooks |
|--|---|---|--|--|---|---|
| Unit 3 Number Multiplication and division: Decimals Multiply & divide decimals Powers of 10 Estimate | VC2M6N06 multiply and divide decimals by multiples of powers of 10 without a calculator ... VC2M6N08 approximate numerical solutions to problems involving rational numbers and percentages ... VC2M6N09 use mathematical modelling to solve practical problems ... | Y6 Decimals <ul style="list-style-type: none"> • Multiply decimals by powers of 10 • Multiply decimals by whole numbers • Divide decimals by powers of 10 • Divide decimals by whole numbers | Fractions, decimals & percentages <ul style="list-style-type: none"> • Multiply Decimals: 10, 100, 1000 • Divide Decimals: 10, 100, 1000 Estimating <ul style="list-style-type: none"> • Estimate Decimal Operations • Estimate Decimal Sums 2 | Multiply/divide decimals by powers of 10 <ul style="list-style-type: none"> • Multiplying decimals by powers of 10 • Dividing decimals by powers of 10 • Using estimation | | Y6-G Fractions, Decimals and Percentages <ul style="list-style-type: none"> • Calculating (pp 37–38) |
| Unit 4 Space 2D shapes Properties of 2D shapes Classification Symmetry Transformations Tessellations | VC2M6SP02 locate points in the 4 quadrants of the Cartesian plane ... VC2M6SP03 recognise and use combinations of transformations to create tessellations and other geometric patterns ... | Coming soon | | Use combinations of transformations <ul style="list-style-type: none"> • Recognising tessellations • Identifying a sequence of 2 transformations | Geometry: 2D Shapes LEVEL 4–6 <ul style="list-style-type: none"> • Tricky triangles • Relating 2D shapes | Y6-G Geometry <ul style="list-style-type: none"> • 2D shapes (pp 7–15) • Transformation, tessellation and symmetry (pp 16–24) |
| Unit 5 Measurement Length, perimeter and area Convert units of length Decimal representations of length Area formula Perimeter and area connections Problem solving | VC2M6M01 convert between common metric units of length, mass and capacity ... VC2M6M02 establish the formula for the area of a rectangle and use it to solve practical problems | Coming soon | Metric conversions <ul style="list-style-type: none"> • Centimetres and Metres • Metres and Kilometres Area <ul style="list-style-type: none"> • Area of Shapes • Area: Squares and Rectangles | Convert metric units of measurement <ul style="list-style-type: none"> • Converting metric units of length Use formula for area of a rectangle <ul style="list-style-type: none"> • Using a formula to calculate area of a rectangle | Measurement: Length LEVEL 3–5 <ul style="list-style-type: none"> • Area and perimeter challenge (DOK 3) • Perimeter problems (DOK 3) LEVEL 4–6 <ul style="list-style-type: none"> • Card crafting calculation (DOK 2) Measurement: Area LEVEL 4–6 <ul style="list-style-type: none"> • Finding formulas (DOK 3) • Ryan's rectangle (DOK 3) | Y6-G Length, Perimeter and Area <ul style="list-style-type: none"> • Units of length (pp 1–7) • Perimeter (pp 8–15) • Area (pp 16–25) |

| Strand & Topic | Outcomes | New Courses | Activities (Courses) | Skill Quests | Challenges | Ebooks |
|---|--|-------------|--|---|--|---|
| Unit 1 Number Algebra <hr/> Operations, including money <hr/> Order of operations Mixed operations Add & subtract decimals: Problem solving Multiply & divide decimals: Problem solving Budgeting | VC2M6N09 use mathematical modelling to solve practical problems involving rational numbers and percentages ... VC2M6A02 find unknown values in numerical equations involving brackets and combinations of arithmetic operations ... | Coming soon | Patterns equations & rules <ul style="list-style-type: none"> Order of Operations 1 (BIDMAS) Solve Equations: Add, Subtract 1 Solve Equations: Multiply, Divide 1 | Understand order of operations <ul style="list-style-type: none"> Order of operations with no grouping symbols Order of operations using grouping symbols Order of operations practical situations | | (Y6-G) Patterns and Algebra <ul style="list-style-type: none"> Properties of arithmetic (pp 34–35) |
| Unit 2 Measurement <hr/> Angles <hr/> Angles within shapes Angles on a straight line Angles at a point Vertically opposite angles Determine unknown angles | VC2M6M04 identify the relationships between angles on a straight line, angles at a point and vertically opposite angles; use these to determine unknown angles, communicating reasoning | Coming soon | Angle relationships <ul style="list-style-type: none"> Measuring Angles Estimating Angles Angle Sum of a Triangle Quadrilaterals: Angle Sum with Equations Exterior Angles of a Triangle Angles of revolution: Unknown Values Vertically Opposite Angles: Unknown Values | Understand angle properties <ul style="list-style-type: none"> Understanding adjacent angles Exploring vertically opposite angles Calculating angles that total 360 Investigating supplementary & complementary angles | Geometry: Angles LEVEL 4–6 <ul style="list-style-type: none"> Angles and quadrilaterals (DOK 3) LEVEL 5–7 <ul style="list-style-type: none"> What's your angle? (DOK 3) Comparing vertical and adjacent (DOK 3) Adjacent angles (DOK 4) Geometry: 2D Shapes LEVEL 4–6 <ul style="list-style-type: none"> Trying triangles (DOK 2) Square split (DOK 3) | (Y6-G) Geometry <ul style="list-style-type: none"> Lines and angles (pp 1–6) |
| Unit 3 Measurement <hr/> Capacity and mass <hr/> Convert measurements Decimal representations Problem solving | VC2M6M01 convert between common metric units of length, mass and capacity; choose and use decimal representations of metric measurements relevant to the context of a problem | Coming soon | Metric conversions <ul style="list-style-type: none"> Grams and Kilograms Conversion Grams and Kilograms Grams and Milligrams Converting Units of Mass Millilitres and Litres Converting Volume | Connect decimals to the metric system <ul style="list-style-type: none"> Decimal notation & the metric system Decimal representation in capacity Decimal representation in mass Convert metric units of measurement <ul style="list-style-type: none"> Converting metric units of capacity Converting metric units of mass | Measurement: Volume & Capacity LEVEL 4–6 <ul style="list-style-type: none"> By the bucket (DOK 3) Measurement: Mass LEVEL 5–7 <ul style="list-style-type: none"> Planets in balance (DOK 3) | (Y6-G) Volume, Capacity and Mass <ul style="list-style-type: none"> Volume and capacity (pp 1–2, 8) Mass (pp 9–16) |

| Strand & Topic | Outcomes | New Courses | Activities (Courses) | Skill Quests | Challenges | Ebooks |
|--|---|-------------|---|--|--|---|
| Unit 4 Measurement Time Interpret and use timetables and itineraries Duration of events | VC2M6M03 measure, calculate and compare elapsed time; interpret and use timetables and itineraries to plan activities and determine the duration of events and journeys | Coming soon | Time problems <ul style="list-style-type: none"> Time Mentals Elapsed Time Using Timetables Australian Time Zones What Time Will it Be? | Interpret & use timetables <ul style="list-style-type: none"> Interpreting & using timetables | Measurement: Time LEVEL 4–6 <ul style="list-style-type: none"> Muesli bar time jumble (DOK 2) Time for a break? (DOK 2) Mrs Baker's cookie conundrum (DOK 2) LEVEL 5–7 <ul style="list-style-type: none"> Find the fastest ferry (DOK 2) 24-hour travel times (DOK 2) Circus timetable (DOK 3) | (Y5-F) Geometry <ul style="list-style-type: none"> Lines and angles (pp 1–6) 2D shapes (pp 7–15) Transformation, tessellation and symmetry (pp 16–24) |
| Unit 5 Probability Statistics Chance and data Represent probabilities numerically Estimate and assign probabilities List outcomes Conduct chance experiments Run simulations Record results Compare observations with expected results | VC2M6P01 describe probabilities using fractions, decimals and percentages ... VC2M6P02 conduct repeated chance experiments and run simulations with an increasing number of trials using digital tools ... VC2M6ST01 interpret and compare data sets for ordinal and nominal categorical, discrete and continuous numerical variables ... VC2M6ST03 plan and conduct statistical investigations by posing and refining questions ... | Coming soon | Probability <ul style="list-style-type: none"> Simple Probability Probability Scale Complementary Events Dice and Coins | Assign probabilities <ul style="list-style-type: none"> Probability as a fraction, decimal or percent Probabilities from 0 to 1 Conduct chance experiments <ul style="list-style-type: none"> Conducting chance experiments | Chance & Probability LEVEL 4–6 <ul style="list-style-type: none"> What are the chances? (DOK 3) | (Y6-G) Chance and Probability <ul style="list-style-type: none"> Chance and probability (pp 1–10) |

| Strand & Topic | Outcomes | New Courses | Activities (Courses) | Skill Quests | Challenges | Ebooks |
|--|--|-------------|---|--|--|---|
| Unit 1 Number Algebra <hr/> Number and operations review | VC2M6N04 apply knowledge of place value to add and subtract decimals ... VC2M6N05 solve problems involving addition and subtraction of fractions ... VC2M6N06 multiply and divide decimals by multiples of powers of 10 ... VC2M6N09 use mathematical modelling to solve practical problems ... | Coming soon |  Review earlier content |  Review earlier content |  Review earlier content |  Review earlier content |
| Unit 2 Space <hr/> 3D objects Observe and draw shapes Compare cross-sections Right prisms Connecting objects to their nets | VC2M6SP01 compare the parallel cross-sections of objects and recognise their relationships to right prisms | Coming soon | | Investigate cross-sections <ul style="list-style-type: none"> Investigating cross-sections | Geometry: 3D Shapes LEVEL 4–6 <ul style="list-style-type: none"> Pyramids and prisms (DOK 3) LEVEL 5–7 <ul style="list-style-type: none"> Prisms made of straw (DOK 3) | (Y6-G) Geometry <ul style="list-style-type: none"> 3D shapes (pp 25–32) |
| Unit 3 Space Number <hr/> Cartesian plane and 2D shape Locate points on Cartesian plane Identify scales Draw lines and polygons Positional data | VC2M6SP02 locate points in the 4 quadrants of the Cartesian plane ... VC2M6N01 recognise situations, including financial contexts, that use integers ... | Coming soon | The Cartesian plane <ul style="list-style-type: none"> Ordered Pairs Number Plane Graphing from a Table of Values Reading Values from a Line Transformations: Coordinate Plane Rotations: Coordinate Plane | | Geometry: Symmetry, Transformation & Location LEVEL 5–7 <ul style="list-style-type: none"> Calculating coordinates (DOK 2) | (Y6-G) Position <ul style="list-style-type: none"> Spatial orientation (pp 1–5) Coordinates (pp 6–12) Maps and scale (pp 13–16) (Y7-H) The Number Plane <ul style="list-style-type: none"> How does it work? (pp 1–8) What else can you do? (pp 19–29) |

| Strand & Topic | Outcomes | New Courses | Activities (Courses) | Skill Quests | Challenges | Ebooks |
|--|--|-------------|---|---|--|--|
| Unit 4 Statistics Data: Interpretation Statistically informed arguments Plan and conduct statistical investigations Compare distributions | VC2M6ST01 interpret and compare data sets for ordinal and nominal categorical, discrete and continuous numerical variables ... VC2M6ST02 identify statistically informed arguments presented in traditional and digital media ... | Coming soon | Analyse & interpret data <ul style="list-style-type: none"> Mode Mode from Stem and Leaf Plot Mode from Frequency Table Data Extremes and Range Stem and Leaf Plots with Range Double Stem and Leaf Plots Line Graphs: Interpretation | Interpret, compare & describe data sets <ul style="list-style-type: none"> Describing & interpreting data sets Compare mode, range & shape <ul style="list-style-type: none"> Understanding mode, range & shape of distributions Comparing modes in sets of data Interpret & evaluate secondary data <ul style="list-style-type: none"> Interpreting & evaluating secondary data | Statistics & Data: LEVEL 4–6 <ul style="list-style-type: none"> Family ages (DOK 2) Dartboard scores (DOK 2) Messing with the median (DOK 2) Arrange the range (DOK 2) LEVEL 5–7 <ul style="list-style-type: none"> Spot the mistake! (DOK 3) Missing dot plots (DOK 2) Box plot detective (DOK 2) Show your cards (DOK 3) A slice of the pie (DOK 3) Icy stalactite pie (DOK 3) Lake Scaley fish (DOK 3) | (Y6-G) Data Representation <ul style="list-style-type: none"> Types of graphs 2 (pp 7–9) Types of graphs 3 (pp 12–19) Collecting and analysing data (pp 22–34) Data investigations (pp 35–39) |
| Unit 5 Measurement Measurement review and applications Choose appropriate units Use measurement in everyday situations | VC2M6M01 convert between common metric units of length, mass and capacity ... VC2M6M02 establish the formula for the area of a rectangle and use it to solve practical problems VC2M6M03 measure, calculate and compare elapsed time ... | Coming soon |  Review earlier content |  Review earlier content | Measurement: Length LEVEL 5–7 <ul style="list-style-type: none"> Jumpy and Bouncy (DOK 4) Platinum wire earrings (DOK 3) |  Review earlier content |