


## Syllabus comparison chart


Learning
sequence

## Number and Algebra

Big idea: The number system extends infinitely to
very large and very small numbers
Number and patterns

- Review numbers to billions
- Identify factors and multiples
- Patterns
- Algebra


## Number and Algebra

Big idea: Addition and subtraction problems can be solved by using a variety of strategies

Addition and subtraction

- Compare, evaluate, communicate and
justify strategies
- Solve multistep word problems
- Add and subtract decimals to 3 places


## Measurement and Space

Big idea: What needs to be measured determines the unit of measurement

## Time

- Calculate elapsed time
- Add and subtract time using bridging
- Round to nearest minute or hour
- Represent time intervals as decimal
- Solve problems involving duration


## Number and Algebra

Big idea: Fractions represent multiple ideas and can be represented in different ways
Fractions

- Compare, order and represent fractions
with related denominators
- Create and record equivalent fractions
- Build wholes from fractional parts


## Statistics and Probability

Big idea: Questions can be asked and answered by collecting and interpreting data

## Data

- Interpret side-by-side column graphs
- Interpret side-by-side column grater
- Interpret and compare distributions: range and mode
- Interpret and compare distributions: range
representations in media data displays


## Number and Algebra

Big idea: The number system extends infinitely to very large and very small numbers
Integers

- Identify and place negative whole numbers on a number line
- Use the term integer
- Use the term integer
- Interpret integers in everyday contexts
- Recognise the relationship between negative numbers and subtraction


## Number and Algebra

Big idea: Multiplicative thinking involves flexible use of multiplication and division concepts, strategies and representations

## Multiplication and division

- Use efficient strategies to multiply
- Multiply and divide decimals by powers of 10
- Apply inverse operations
- Apply order of operations (brackets)


## Number and Algebra

Measurement and Space
Big idea: Visual representations help to understand aspects of the world (chance and position)

## Position

- Plot and label points in 4 quadrants
- Identify and record coordinates in 4 quadrants
- Describe coordinate translations and reflections


## Measurement and Space

Big idea: What needs to be measured determines the unit of measurement

## 3D objects and volume

- Create skeletal models of prisms and pyramids
- Construct 3D models of prisms and pyramids
- Construct, estimate and use cubic metres to measure larger volumes


## Measurement and Space

## Number and Algebra

Big idea: Angles are the primary structural component of

## many shapes

## Angles

- Recognise angles: right, angles on a straight line and angles at a point
- Investigate properties of angles: perpendicular lines,
adjacent angles and angles at a point


## Number and Algebra

Big idea: The number system extends infinitely to very large and very small numbers
Connecting fractions, decimals, and percentages

- Recognise $100 \%$ is whole amount
- Recall commonly used equivalent percentages,
decimals and fractions
- Represent common percentages as fractions and decimals


## Measurement and Space

Big idea: Understanding relationships between the roperties of $2 D$ shapes helps visualise and organise spaces in the world

## 2D shape and area

- Find area of composite shapes
- Transform parallelograms to find area area of triangles


## Number and Algebra

## Measurement and Space

Big idea: Multiplicative thinking involves flexible use of multiplication and division concepts, strategies, and representations

## Linking multiplication to volume

- Describe dimensions of a rectangular prisms:
length, width and height
- Use multiplicative structure to find volumes using $\mathrm{cm}^{3}$ and $\mathrm{m}^{3}$


## \section*{Number and Algebra} <br> Measurement and Space

Big idea: What needs to be measured determines the unit of measurement

## Length and mass

- Interpret and record lengths using decimals
- Convert m and km
- Investigate and compare perimeters
- Convert between g and kg , kg and t
- Solve problems with different units of mass


## Number and Algebra

Big idea: Addition and subtraction problems can be
solved by using a variety of strategies
Addition and subtraction problems

- Add and subtract decimals
- Solve word problems involving addition and subtraction
- Use addition and subtraction to solve problems
involving money and budgeting
- involving money and budgeting


## Number and Algebra

Big idea: The number system extends infinitely to very large and

## very small number

## Number review

Review:

- Term 1, Learning Sequence 1
- Term 2, Learning Sequence 1
- Term 3, Learning Sequence 1


## Number and Algebra

Big idea: Fractions represent multiple ideas and can be represented in different ways

## Fractions problems

- Review fractions
- Add and subtract fractions with same or related denominators
- Calculate fractions of quantities
- Solve word problems involving fractions


## Statistics and Probability

Big idea: Questions can be asked and answered by collecting and interpreting data

## Chance

- Create random generators
- Use fractions, decimals and percentages to assign expected probabilities
- Distinguish between frequency and probability
- Compare expected and observed probabilities and frequencies
- Use sampling to determine the likely make up of a large collection
- Record outcomes and display data


## Number and Algebra

Big idea: Multiplicative thinking involves flexible use of multiplication and division concepts, strategies, and representations Multiplication and division problems

- Solve word problems involving multiplication and division
- Use multiplication and division to solve problems
involving money and budgeting


## Measurement and Space

Big idea: Shapes encountered in daily life can be classified by their

## attributes

## Shape transformations

- Describe transformations of 2D shapes
- Dissect and rearrange shapes

| Outcomes | Focus | Content | Located |
| :---: | :---: | :---: | :---: |
| MA3-RN-01 <br> applies an understanding of place value and the role of zero to represent the properties of numbers | Represent numbers B | Whole numbers: Locate and represent integers on a number line | Term 1 LS 5 <br> Term 2 LS 1 <br> Term 4 LS 1 |
| MA3-RN-03 <br> determines percentages of quantities, and finds equivalent fractions and decimals for benchmark percentage values |  | Decimals and percentages: Make connections between benchmark fractions, decimals and percentages | Term 3 LS 1, 4 <br> Term 4 LS 1 |
|  |  | Decimals and percentages: Determine percentage discounts of $10 \%, 25 \%$ and 50\% | Term 3 LS 5 Term 4 LS 1 |
| MA3-AR-01 selects and applies appropriate strategies to solve addition and subtraction problems | Additive relations B | Choose and use efficient strategies to solve addition and subtraction problems | $\begin{aligned} & \text { Term 1 LS } 2 \\ & \text { Term 2 S } 1 \\ & \text { Term } 3 \text { LS } 5 \\ & \text { Term 4 LS } 1 \end{aligned}$ |
|  |  | Applies known strategies to add and subtract decimals | $\begin{aligned} & \text { Term } 1 \text { LS } 2 \\ & \text { Term 2 S } 1 \\ & \text { Term } 3 \text { LS } 5 \\ & \text { Term 4 LS } 1 \end{aligned}$ |
| MA3-MR-01 <br> selects and applies appropriate strategies to solve multiplication and division problems | Multiplicative relations B | Select and apply strategies to solve problems involving multiplication and division with whole numbers | Term 2 LS 2 <br> Term 3 LS 1, 2, 3 <br> Term 4 LS 4 |
|  |  | Multiply and divide decimals by powers of 10 | Term 2 LS 2 Term 3 LS 1 Term 4 LS 4 |
| MA3-MR-02 <br> constructs and completes number sentences involving multiplicative relations, applying the order of operations to calculations |  | Use equivalent number sentences involving multiplication and division to find unknown quantities | Term 2 LS 2 Term 3 LS 1 Term 4 LS 4 |
|  |  | Represent and describe number patterns formed by multiples | $\begin{aligned} & \text { Term 1 L S } 1 \\ & \text { Term 2 S } 2 \\ & \text { Term } 3 \text { LS } \\ & \text { Term 4 LS } 4 \end{aligned}$ |
|  |  | Explore the use of brackets and the order of operations to write number sentences | Term 2 LS 2 Term 4 LS 4 |
| MA3-RQF-01 compares and orders fractions with denominators of $2,3,4,5,6,8$ and 10 | Representing quantity fractions B | Recognise that a fraction can represent a division | Term 1 LS 4 Term 2 LS 5 Term 4 LS 2 |
|  |  | Compare common fractions with related denominators | Term 1 LS 4 <br> Term 2 LS 5 <br> Term 4 LS 2 |
|  |  | Build up to the whole from a given fractional part | Term 1 LS 4 <br> Term 2 LS 5 <br> Term 4 LS 2 |
|  |  | Use equivalence to add and subtract fractional quantities | Term 1 LS 4 <br> Term 2 LS 5 <br> Term 4 LS 2 |
| MA3-RQF-02 <br> determines $\frac{1}{2}, \frac{1}{4}, \frac{1}{5}$ and $\frac{1}{10}$ of measures and quantities |  | Find fractional quantities of whole numbers (halves, quarters, fifths and tenths) | Term 1 LS 4 Term 4 LS 2 |
| MA3-GM-01 <br> locates and describes points on a coordinate plane | Geometric measure B | Position: Use the 4 quadrants of the coordinate plane | Term 2 LS 3 |


|  |  | Focus |  | Content |  |
| :--- | :--- | :--- | :--- | :--- | :---: |
| Outcomes |  |  |  |  |  |



## Scope \& Sequence Term 1

NSW Stage 3 Year 6

| LS \& Topic | Outcomes | Focus | Content | New Courses | Activities (courses) | Skill Quests | Challenges | Ebooks |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| LS 3 <br> Big idea What needs to be measured determines the unit of measurement <br> Topic <br> Time | MA3-NSM-02 <br> measures and compares duration, using 12 - and 24-hour time and am and pm notation | Non-spatial measure B | - Time: Solve problems involving duration, using 12 - and 24-hour time | Coming soon | Non-spatial measure: time <br> (B) <br> - Time Mentals <br> - Elapsed Time <br> - Time Conversions: Simple Decimals ( $0.25,0.5,0.75$ ) <br> - Australian Time Zones <br> - Time Zones <br> - What Time Will it Be? | Solve duration problems <br> - Solving problems with duration using 12 \& 24 hours | Measurement, Time 4-6 <br> - Muesli bar time jumble (DOK 2) <br> - Time for a break? ©OK 2 <br> - Mrs Baker's cookie conundrum ${ }^{00 \mathrm{~K} 2}$ <br> Measurement, Time 5-7 <br> - Find the fastest ferry (00K2) <br> - 24-hour travel times (0ОK2) | Y6-F Time <br> - Telling time pp 1-8 <br> - Calculating time pp 9-17 <br> - Time applications pp 18-26 |
| LS 4 <br> Big idea <br> Fractions represent multiple ideas and can be represented in different ways <br> Topic <br> Fractions | MA3-RQF-01 <br> compares and orders fractions with denominators of 2 , $3,4,5,6,8$ and 10 <br> MA3-RQF-02 determines $\frac{1}{2}, \frac{1}{4}, \frac{1}{5}$ and $\frac{1}{10}$ of measures and quantities | Representing quantity fractions B | - Recognise that a fraction can represent a division <br> - Compare common fractions with related denominators <br> - Build up to the whole from a given fractional part <br> - Use equivalence to add and subtract fractional quantities <br> - Find fractional quantities of whole numbers (halves, quarters, fifths and tenths) | Y6 Representing quantity fractions <br> - Represent fractions <br> - Types of fractions <br> - Compare and order fractions with like denominators <br> - Equivalent fractions <br> - Simplifying Fractions <br> - Compare and order fractions <br> - Add and subtract fractions <br> - Add related fractions <br> - Subtract related fractions | Represents quantity fractions (B) <br> - Compare Fractions 2 <br> - Shading Equivalent Fractions <br> - Selecting Equivalent Fractions <br> - The Equivalent Fraction <br> - Equivalent Fraction Wall 1 <br> - Equivalent Fraction Wall 2 <br> - Equivalent Fractions on a Number Line 1 <br> - Equivalent Fractions on a Number Line 2 <br> - Counting with Fractions on a Number Line <br> - What Mixed Number Is Shaded? <br> - Fractions of a Collection 1 <br> - Fractions of a Collection 2 <br> - Fraction Fruit Sets 1 <br> - Fraction Fruit Sets 2 <br> - Fractions of a Collection | Compare fractions: related denominators <br> - Recognising a fraction as division <br> - Finding equivalent fractions \& simplifying <br> - Comparing fractions with related denominators <br> - Building up to the whole from a fractional part | Nmber \& Algebra, <br> Fractions 5-7 <br> - Some fraction action (0OK2) | Fractions, Decimals and Percentages <br> - Fractions pp 1-11 |
| LS 5 <br> Big idea Questions can be asked and answered by collecting and interpreting data <br> Topic <br> Data | MA3-DATA-02 <br> interprets data displays, including timelines and line graphs <br> MA3-RN-01 applies an understanding of place value and the role of zero to represent the properties of numbers | Data B <br> Represent numbers $B$ | - Interpret and compare a range of data displays <br> - Interpret data presented in digital media and elsewhere <br> - Whole numbers: Locate and represent integers on a number line | Coming soon | Data (B) <br> - Mode <br> - Data Extremes and Range <br> - Reading from a Column Graph <br> - Line Graphs: Interpretation | Interpret data displays <br> - Interpreting \& comparing data in various displays <br> - Calculating \& interpreting the range <br> - Calculating \& interpreting the mode <br> - Interpreting data presented in digital media | Statistics \& data 4-6 <br> - Arrange the range (00K2) <br> - Discover the digits (00K2) <br> - Leap to the mode (10К2) <br> Statistics \& data 5-7 <br> - Lake Scaley fish (0ОK3) <br> - World rankings ©OK4 | (Y6-F) Data Representation <br> - Types of graphs 1 pp 1-6 <br> - Types of graphs 2 pp 7-11 <br> - Types of graphs 3 pp 12-19 <br> - Collecting and analysing data pp 20-34 <br> - Data investigations pp 35-39 |


| LS \& Topic | Outcomes | Focus | Content | New Courses | Activities (courses) | Skill Quests | Challenges | Ebooks |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| LS 1 <br> Big idea <br> The number system extends infinitely to very large and very small numbers <br> Topic Integers | MA3-RN-01 <br> applies an understanding of place value and the role of zero to represent the properties of numbers <br> MA3-AR-01 <br> selects and applies appropriate strategies to solve addition and subtraction problems | Represent numbers B <br> Additive relations B | - Whole numbers: Locate and represent integers on a number line <br> - Choose and use efficient strategies to solve addition and subtraction problems <br> - Applies known strategies to add and subtract decimal | Coming soon: <br> Y6 Integers <br> - Integers on the Number Line <br> - Integers on the Cartesian Plane <br> - Compare and order integers <br> - Integers in Context <br> - Adding integers | Represents numbers: whole number (B) <br> - Directed Numbers | Represent integers <br> - Locating \& representing integers on a number line <br> - Interpreting integers in context |  | Reading and Understanding Whole Numbers <br> - Types of numbers pp 9-10 |
| LS 2 <br> Big idea <br> Multiplicative thinking involves flexible use of multiplication and division concepts, strategies and representations Topic Multiplication and division | MA3-MR-01 <br> selects and applies appropriate strategies to solve multiplication and division problems <br> MA3-MR-02 <br> constructs and completes number sentences involving multiplicative relations, applying the order of operations to calculations | Multiplicative relations B | - Select and apply strategies to solve problems involving multiplication and division with whole numbers <br> - Multiply and divide decimals by powers of 10 <br> - Use equivalent number sentences involving multiplication and division to find unknown quantities <br> - Represent and describe number patterns formed by multiples <br> - Explore the use of brackets and the order of operations to write number sentences | Y6 Decimals <br> - Multiply decimals by powers of 10 <br> - Divide decimals by powers of 10 | Multiplicative relations (B) <br> - Grid Methods 1 <br> - Grid Methods 2 <br> - Grid Methods 3 <br> - Equivalent Facts: Multiply <br> - Division Facts to Twelve <br> - Short Division <br> - Multiply Decimals and Powers of 10 <br> - Estimate Quotients <br> - Divide by Powers of 10 <br> - Table of Values <br> - Decreasing Patterns <br> - Patterns - Decreasing <br> - Order of Operations 1 (BIDMAS)/Order of Operations 1 (BEDMAS) <br> - Identifying Errors in Applying the Order of Operations | Multiply/divide to 4 digits by 2 digits <br> - Multiplying 4-digit numbers by up to 2 digits <br> - Dividing up to 4 -digit numbers by 2 digits <br> - Selecting efficient strategies to multiply/divide <br> - Solving multiplication \& division word problems <br> Multiply \& divide decimals <br> - Multiplying decimals by powers of 10 <br> - Dividing decimals by powers of 10 <br> Multiplicative number sentences <br> - Finding unknown quantities multiply/divide <br> - Applying order of operations \& grouping symbols | Number \& Algebra, <br>  <br> Division 5-7 <br> - Build the pyramid ${ }^{\mathrm{DOK} 2}$ | Y6-F Multiplication and Division <br> - Mental multiplication strategies pp 1-6 <br> - Mental division strategies pp 7-12 <br> - Written methods pp 13-18 |
| LS 3 <br> Big idea <br> Visual <br> representations <br> help to understand aspects of the world (chance and position) <br> Topic Position | MA3-GM-01 <br> locates and describes points on a coordinate plane | Geometric measure B | - Position: Use the 4 quadrants of the coordinate plane | Coming soon | Geometric measure: coordinate plane (B) <br> - Coordinate Graphs: 1st Quadrant <br> - Ordered Pairs <br> - Horizontal and Vertical Change <br> - Transformations: Coordinate Plane | Locate position in the four quadrants <br> - Using the four quadrants to locate position | Geometry, Symmetry, Transformation \& Location 3-5 <br> - Map the way DOK2 <br> - Routes on a map (DOK3 <br> - Program the robot (DOK3) <br> Geometry, Symmetry, <br>  <br> Location 4-6 <br> - A journey back in time (DOK2) <br> - Island towns DOK 3 <br> - Which way? (DOK 3) | Y4-D Space, Shape and Position <br> - Position - grids and coordinates p 21 <br> - Position - using a map p 22 <br> - Position - compass directions pp 23-24 <br> - Year 5 Series E Position <br> - Directions - using a compass pp 13-14 <br> - Directions - maps pp 15-16 |

## Scope \& Sequence Term 2



| LS \& Topic | Outcomes | Focus | Content | New Courses | Activities (courses) | Skill Quests | Challenges | Ebooks |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| LS 1 <br> Big idea <br> The number system extends infinitely to very large and very small numbers <br> Topic Connecting fractions, decimals, and percentages | MA3-RN-03 <br> determines percentages of quantities, and finds equivalent fractions and decimals ... <br> MA3-MR-01 <br> selects and applies appropriate strategies to solve multiplication and division problems <br> MA3-MR-02 <br> constructs and completes number sentences involving multiplicative relations ... | Represent numbers B <br> Multiplicative relations B | - Decimals and percentages: Make connections between benchmark fractions, decimals and percentages <br> - Select and apply strategies to solve problems involving multiplication and division with whole numbers <br> - Multiply and divide decimals by powers of 10 <br> - Use equivalent number sentences involving multiplication and division to find unknown quantities <br> - Represent and describe number patterns formed by multiples | Y6 Percentages <br> - Percentages <br> - Fractions, decimals, percentages <br> - Percentages to fractions <br> - Fractions to percentages <br> - Percentages to decimals <br> - Decimals to percentages <br> - Decimals to fractions <br> - Fractions to decimals <br> - Expressing as a percentage | Represents numbers: including decimals ( $B$ ) <br> - Modelling Percentages <br> - Percents and Decimals <br> - Calculating Percentages (Mental) <br> - Match Decimals and Percentages <br> - Complementary Percentages | Convert fraction, decimal \& percentage <br> - Converting fractions, decimals \& percentages |  | Y5-E Fractions, Decimals and Percentages <br> - Fractions, decimals and percentages pp 17-19, 22-25 <br> Y6-F Fractions, Decimals and percentages <br> - Decimal fractions pp 17-20 |
| LS 2 <br> Big idea Understanding relationships between the properties of $2 D$ shapes helps visualise and organise spaces in the world <br> Topic 2D shapes and area | MA3-2DS-01 <br> investigates and classifies <br> two-dimensional shapes ... <br> MA3-2DS-03 <br> combines, splits and rearranges shapes to determine the area .. <br> MA3-MR-01 <br> selects and applies appropriate strategies to solve multiplication and division problems | Two-dimensional spatial structure B <br> Multiplicative relations B | - 2D shapes: Dissect two-dimensional shapes and rearrange them using translations, reflections and rotations <br> - Area: Find the area of composite figures <br> - Area: Calculate the area of a parallelogram using subdivision and rearrangement <br> - Area: Determine the area of a triangle <br> - Select and apply strategies to solve problems involving multiplication and division with whole numbers | Coming soon | 2D spatial structure: area <br> (B) <br> - Area: Squares and Rectangles <br> - Calculate Area of Squares and Rectangles <br> - Converting Units of Area <br> - Area: Parallelograms (Metric) | Calculate area of shapes <br> - Calculating area of composite shapes <br> - Calculating area of parallelograms <br> - Calculating area of triangles | Measurement, Area 5-7 <br> - Can you cut it? (DOK 2) <br> - Two line draw ©OK2 <br> - Calculations with patterns ©OK 2 | Y6-F Geometry <br> - 2D shapes pp 7-15 <br> Y6-F) Length, Perimeter and Area <br> - Area pp 16-25 <br> (Y6) Rich Learning Task <br> - Predicting Area <br> - Wrapping a Prism |
| LS 3 <br> Big idea Multiplicative thinking involves flexible use of multiplication and division concepts, strategies and representations <br> Topic Linking multiplication with | MA3-3DS-02 <br> selects and uses the appropriate unit to estimate, measure and calculate volumes and capacities <br> MA3-MR-01 <br> selects and applies appropriate strategies to solve multiplication and division problems | Three-dimensional spatial structure B <br> Multiplicative relations B | - Volume: Use cubic metres for measurement of volume <br> - Volume: Recognise the multiplicative structure for finding volume <br> - Volume: Find the volumes of rectangular prisms in cubic centimetres and cubic metres <br> - Select and apply strategies to solve problems involving multiplication and division with whole numbers | Coming soon | 3D spatial structure: volume <br> (B) <br> - Volume of Solids and Prisms $1 \mathrm{~cm}^{3}$ blocks <br> - Volume: Rectangular Prisms 1 <br> - Millilitres and Litres |  |  | Y6-F Volume, Capacity and Mass <br> - Volume and capacity pp 3-4 |



| NSW New Syllabus (2023) S3 Year 6 |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| LS \& Topic | Outcomes | Focus | Content | New Courses | Activities (courses) | Skill Quests | Challenges | Ebooks |
| LS 1 <br> Big idea <br> The number system extends infinitely to very large and very small numbers <br> Topic Number review | MA3-RN-01 <br> applies an understanding of place value and the role of zero to represent the properties of numbers <br> MA3-RN-03 <br> determines percentages of quantities, and finds equivalent fractions and decimals for benchmark percentage values <br> MA3-AR-01 <br> selects and applies appropriate strategies to solve addition and subtraction problems | Represent numbers B <br> Additive relations B | - Whole numbers: Locate and represent integers on a number line <br> - Decimals and percentages: Make connections between benchmark fractions, decimals and percentages <br> - Decimals and percentages: Determine percentage discounts of $10 \%, 25 \%$ and $50 \%$ <br> - Choose and use efficient strategies to solve addition and subtraction problems <br> - Applies known strategies to add and subtract decimals | Coming soon | Refer to: <br> - Term 1, Learning Sequence 1 <br> - Term 2, Learning Sequence 1 <br> - Term 3, Learning Sequence 1 |  | Number \& Algebra, <br>  <br> Expressions 4-6 <br> - Solving unknowns 『OK 3 <br> - Writing \& interpreting (DOK 3 |  |
| LS 2 <br> Big idea <br> Fractions represent multiple ideas and can be represented in different ways <br> Topic Fractions problems | MA3-RQF-01 compares and orders fractions with denominators of 2, $3,4,5,6,8$ and 10 <br> MA3-RQF-02 determines $\frac{1}{2}, \frac{1}{4}, \frac{1}{5}$ and $\frac{1}{10}$ of measures and quantities | Representing quantity fractions B | - Recognise that a fraction can represent a division <br> - Compare common fractions with related denominators <br> - Build up to the whole from a given fractional part <br> - Use equivalence to add and subtract fractional quantities <br> - Find fractional quantities of whole numbers (halves, quarters, fifths and tenths) | Y6 Representing quantity fractions <br> - Problem solving with fractions <br> - Find a fraction of an amount <br> - Problem solving fractions of amounts |  | - Add/sub fractions: related denominators <br> - Adding/subtracting fractions: related denominators <br> - Adding/subtracting simple fractions: related <br> - Adding/subtracting mixed numbers: related <br> Calculate fraction of an amount <br> - Calculating a fraction of a whole <br> - Solving word problems: fraction of an amount | Number \& Algebra, <br> Fractions 4-6 <br> - Thunder Radio competition winners (DOK 2 <br> - The case of the missing superhero capes (DOK2 <br> - It's a piece of pie! (DOK2 <br> Number \& Algebra, <br> Fractions 5-7 <br> - Fractional differences (DOK2) <br> - Paint pot fractions ${ }^{00 \mathrm{~K} 3}$ | Y6-F Fractions, Decimals and Percentages <br> - Fractions of an amount pp 21-27 <br> - Calculating pp 28-32 <br> Y6 Rich Learning Task <br> - The Gumball Heist |
| LS 3 <br> Big idea Questions can be asked and answered by collecting and interpreting data Topic Chance | MA3-CHAN-01 conducts chance experiments and quantifies the probability <br> MA3-DATA-02 interprets data displays, including timelines and line graphs | Chance B <br> Data B | - Compare observed frequencies of outcomes with expected results <br> - Create random generators and describe probabilities using fractions <br> - Conduct chance experiments with both small and large numbers of trials <br> - Interpret and compare a range of data displays <br> - Interpret data presented in digital media and elsewhere | Coming soon | Chance (B) <br> - Fair Games | Compare observed with expected results <br> - Comparing observed frequency with expected results <br> - Describing probability of single events | Chance \& Probability 4-6 <br> - What are the chances? (DOK3) | Y6-F) Chance and Probability <br> - Chance - ordering events pp 1-2 <br> - Chance - probability pp 3-5 <br> - Chance - fair and unfair p 6 <br> - Chance - coin investigation p 7 <br> - Chance - two dice investigation pp 8-9 |



