

Subtopic	Year Level			
	4	5	6	7
<b>Number and Algebra</b>				
<b>Number and place value</b>				
<b>Representation and ordering</b> Year 4 <ul style="list-style-type: none"> <li>Recognise, represent and order numbers to at least tens of thousands (ACMNA072)</li> </ul> Year 6 <ul style="list-style-type: none"> <li>Investigate everyday situations that use integers. Locate and represent these numbers on a number line (ACMNA124)</li> </ul>	1A: Place value 1B: Ten thousands 1C: Ordering numbers		1A: The Hindu-Arabic number system 1E: Number lines  10A: Opposites 10B: Combined effects 10C: The number line 10D: Addition and subtraction with negative numbers	
<b>Partitioning numbers and place value</b> Year 4 <ul style="list-style-type: none"> <li>Apply place value to partition, rearrange and regroup numbers to at least tens of thousands to assist calculations and solve problems (ACMNA073)</li> </ul>	1A: Place value 1E: Column addition 1F: Addition problems 1H: Column subtraction 1I: Subtraction with exchanging 1J: Subtraction problems  2E: Multiplying by 10 2F: Multiplying larger numbers  3C: Dividing by 10 3G: Dividing larger numbers			
<b>Addition and subtraction</b> Year 7 <ul style="list-style-type: none"> <li>Compare, order, add and subtract integers (ACMNA280)</li> </ul>				1B: Number strategies 1C: Rounding 1D: Estimation 1E: Operating with numbers 1H: Order of operations  4B: The number line 4C: Adding and subtracting negatives 4F: Combined operations 4G: Using your calculator
<b>Multiplication and division</b> Year 4 <ul style="list-style-type: none"> <li>Investigate number sequences involving multiples of 3, 4, 6, 7, 8, and 9 (ACMNA074)</li> <li>Recall multiplication facts up to <math>10 \times 10</math> and related division facts (ACMNA075)</li> <li>Develop efficient mental and written strategies and use appropriate digital technologies for multiplication and for division where there is no remainder (ACMNA076)</li> </ul> Year 5 <ul style="list-style-type: none"> <li>Identify and describe factors and multiples of whole numbers and use them to solve problems (ACMNA098)</li> </ul>	2A: Multiplication tables 2D: Doubling 2E: Multiplying by 10 2F: Multiplying by large numbers  3A: Sharing 3C: Dividing by 10 3D: Halving 3E: Halving larger number 3F: Division using multiplication 3G: Dividing larger numbers	2A: Multiplication 2C: Factors		
<b>Odd and even numbers</b> Year 4 <ul style="list-style-type: none"> <li>Investigate and use the properties of odd and even numbers (ACMNA071)</li> </ul>	3D: Halving			

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<b>Special types of numbers and index notation</b> Year 6 <ul style="list-style-type: none"> <li>Identify and describe properties of prime, composite, square and triangular numbers (ACMNA122)</li> </ul> Year 7 <ul style="list-style-type: none"> <li>Investigate index notation and represent whole numbers as products of powers of prime numbers (ACMNA149)</li> <li>Investigate and use square roots of perfect square numbers (ACMNA150)</li> </ul>			3C: Zero and one 3F: Square numbers 3G: Triangular numbers 3H: Divisibility 3I: Factors of natural numbers 3J: Prime and composite numbers	1F: Index notation 1G: Square numbers  3C: Prime and composite numbers 3D: Highest common factor 3E: Multiples of natural numbers 3F: Square roots of whole numbers
<b>Solving problems using multiplication and division</b> Year 5 <ul style="list-style-type: none"> <li>Solve problems involving multiplication of large numbers by one- or two-digit numbers using efficient mental, written strategies and appropriate digital technologies (ACMNA100)</li> <li>Solve problems involving division by a one digit number, including those that result in a remainder (ACMNA101)</li> </ul>		2A: Multiplication 2B: Division		
<b>Solving problems using more complex operations</b> Year 6 <ul style="list-style-type: none"> <li>Select and apply efficient mental and written strategies and appropriate digital technologies to solve problems involving all four operations with whole numbers (ACMNA123)</li> </ul> Year 7 <ul style="list-style-type: none"> <li>Apply the associative, commutative and distributive laws to aid mental and written computation (ACMNA151)</li> </ul>			1B: Adding and subtracting whole numbers 1C: Multiplying and dividing whole numbers 1D: Two step problem solving 1F: Rounding numbers  3A: Addition and subtraction 3B: Multiplication and division 3E: Order of operations	1B: Number strategies 1E: Operating with numbers 1H: Order of operations
<b>General problem solving strategies</b> Year 5 <ul style="list-style-type: none"> <li>Use estimation and rounding to check the reasonableness of answers to calculations (ACMNA099)</li> <li>Use efficient mental and written strategies and apply appropriate digital technologies to solve problems (ACMNA291)</li> </ul>		1B: Rounding numbers 1C: Addition 1D: Subtraction  2A: Multiplication 2B: Division  6J: Using a calculator  9H: Using a calculator		
<b>Fractions and decimals / Real numbers</b>				
<b>Representing fractions and connections to whole numbers</b> Year 4 <ul style="list-style-type: none"> <li>Count by quarters halves and thirds, including with mixed numerals. Locate and represent these fractions on a number line (ACMNA078)</li> </ul>	4A: Representing fractions 4B: Fractions which add up to 1 whole 4C: Fractions on a number line 4E: Improper fractions and mixed numbers			

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<b>Comparing fractions and equivalence</b> Year 4 <ul style="list-style-type: none"> <li>Investigate equivalent fractions used in contexts (ACMNA077)</li> </ul> Year 5 <ul style="list-style-type: none"> <li>Compare and order common unit fractions and locate and represent them on a number line (ACMNA102)</li> </ul> Year 6 <ul style="list-style-type: none"> <li>Compare fractions with related denominators and locate and represent them on a number line (ACMNA125)</li> </ul> Year 7 <ul style="list-style-type: none"> <li>Compare fractions using equivalence. Locate and represent positive and negative fractions and mixed numbers on a number line (ACMNA152)</li> </ul>	4D: Equal fractions	5B: Fractions on a number line 5D: Ordering fractions 5F: Proper and improper fractions	5A: Fractions 5C: Proper and improper fractions 5E: Placing fractions on a number line 5F: Equal fractions 5G: Comparing fractions	5D: Placing fractions on a number line 5E: Equal fractions and simplifying 5F: Comparing fractions
<b>Fractions of a quantity</b> Year 6 <ul style="list-style-type: none"> <li>Find a simple fraction of a quantity where the result is a whole number, with and without digital technologies (ACMNA127)</li> </ul> Year 7 <ul style="list-style-type: none"> <li>Express one quantity as a fraction of another, with and without the use of digital technologies (ACMNA155)</li> </ul>			5B: Fractions as division 5D: Fractions of quantities	5E: Equal fractions and simplifying 5K: Evaluating fractions using a calculator 5L: Problem solving
<b>Extension of place value</b> Year 4 <ul style="list-style-type: none"> <li>Recognise that the place value system can be extended to tenths and hundredths. Make connections between fractions and decimal notation (ACMNA079)</li> </ul> Year 5 <ul style="list-style-type: none"> <li>Recognise that the place value system can be extended beyond hundredths (ACMNA104)</li> </ul>	4F: Working with hundredths  5A: Introducing decimals 5C: Hundredths	6A: Constructing decimal numbers 6G: Dividing decimals by 10		
<b>Operations with fractions</b> Year 5 <ul style="list-style-type: none"> <li>Investigate strategies to solve problems involving addition and subtraction of fractions with the same denominator (ACMNA103)</li> </ul> Year 6 <ul style="list-style-type: none"> <li>Solve problems involving addition and subtraction of fractions with the same or related denominators (ACMNA126)</li> </ul> Year 7 <ul style="list-style-type: none"> <li>Solve problems involving addition and subtraction of fractions, including those with unrelated denominators (ACMNA153)</li> <li>Multiply and divide fractions and decimals using efficient written strategies and digital technologies (ACMNA154)</li> </ul>		5E: Adding and subtracting fractions	5H: Adding and subtracting fractions	5G: Adding and subtracting fractions 5H: Multiplying fractions 5J: Dividing fractions 5K: Evaluating fractions using a calculator 5L: Problem solving
<b>Introduction to decimals</b> Year 5 <ul style="list-style-type: none"> <li>Compare, order and represent decimals (ACMNA105)</li> </ul>		6A: Constructing decimal numbers 6B: Decimals on a number line 6C: Ordering decimals		

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<b>Operations with decimals</b> Year 6 <ul style="list-style-type: none"> <li>Add and subtract decimals, with and without digital technologies, and use estimation and rounding to check the reasonableness of answers (ACMNA128)</li> <li>Multiply decimals by whole numbers and perform divisions by non-zero whole numbers where the results are terminating decimals, with and without digital technologies (ACMNA129)</li> <li>Multiply and divide decimals by powers of 10 (ACMNA130)</li> </ul> Year 7 <ul style="list-style-type: none"> <li>Multiply and divide fractions and decimals using efficient written strategies and digital technologies (ACMNA154)</li> </ul>			6C: Rounding decimal numbers 6E: Adding and subtracting decimals 6F: Multiplying by powers of 10 6G: Dividing by powers of 10 6H: Multiplying decimals by whole numbers 6I: Dividing decimals by whole numbers	6F: Multiplying by powers of 10 6G: Dividing by powers of 10 6H: Multiplying decimal numbers 6I: Dividing decimal numbers
<b>Percentages</b> Year 6 <ul style="list-style-type: none"> <li>Make connections between equivalent fractions, decimals and percentages (ACMNA131)</li> </ul> Year 7 <ul style="list-style-type: none"> <li>Connect fractions, decimals and percentages and carry out simple conversions (ACMNA157)</li> <li>Find percentages of quantities and express one quantity as a percentage of another, with and without digital technologies. (ACMNA158)</li> </ul>			6A: Constructing decimal numbers 6B: Decimals on a number line 6D: Converting between decimals and fractions 9B: Converting between percentages and fractions 9C: Converting between percentages and decimals	6B: Converting decimals to fractions 8A: Understanding percentages 8B: Interchanging number forms 8C: One quantity as a percentage of another 8D: Finding a percentage of a quantity
<b>Ratios and proportion</b> Year 7 <ul style="list-style-type: none"> <li>Recognise and solve problems involving simple ratios (ACMNA173)</li> </ul>				13A: Ratio 13B: Writing ratios as fractions 13C: Equal ratios 13D: Problem solving using ratios 13E: Rates 13F: Comparing prices
<b>Rational and irrational numbers</b> Year 7 <ul style="list-style-type: none"> <li>Round decimals to a specified number of decimal places (ACMNA156)</li> </ul>				6C: Rounding decimal numbers
<b>Money and financial mathematics</b>				
<b>Basic calculations with money</b> Year 4 <ul style="list-style-type: none"> <li>Solve problems involving purchases and the calculation of change to the nearest five cents with and without digital technologies (ACMNA080)</li> </ul> Year 5 <ul style="list-style-type: none"> <li>Create simple financial plans (ACMNA106)</li> </ul>	13A: Notes and coins 13B: Finding the total 13C: Giving change	9G: Mixed money problems 9I: Budgeting		
<b>Further calculations with money</b> Year 6 <ul style="list-style-type: none"> <li>Investigate and calculate percentage discounts of 10%, 25% and 50% on sale items, with and without digital technologies (ACMNA132)</li> </ul> Year 7 <ul style="list-style-type: none"> <li>Investigate and calculate 'best buys', with and without digital technologies (ACMNA174)</li> </ul>			9D: One quantity as a percentage of another 9E: Finding percentages of quantities	13F: Comparing prices

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<b>Patterns and algebra</b>				
<b>Number sentences</b> Year 4 <ul style="list-style-type: none"> <li>Solve word problems by using number sentences involving multiplication or division where there is no remainder (ACMNA082)</li> <li>Find unknown quantities in number sentences involving addition and subtraction and identify equivalent number sentences involving addition and subtraction (ACMNA083)</li> </ul> Year 5 <ul style="list-style-type: none"> <li>Find unknown quantities in number sentences involving multiplication and division and identify equivalent number sentences involving multiplication and division (ACMNA121)</li> </ul> Year 6 <ul style="list-style-type: none"> <li>Explore the use of brackets and order of operations to write number sentences (ACMNA134)</li> </ul>	1D: Mental addition 1F: Addition problems 1G: Mental subtraction 1J: Subtraction problems  2A: Multiplication tables 2B: Multiples 2C: Factors 2D: Doubling 2E: Multiplying by 10 2F: Multiplying larger numbers  3C: Dividing by 10 3D: Halving 3E: Halving large numbers 3F: Division using multiplication 3G: Dividing by larger numbers	1C: Addition 1D: Subtraction  2A: Multiplication 2B: Division	3E: Order of operations	
<b>Number sequences</b> Year 4 <ul style="list-style-type: none"> <li>Explore and describe number patterns resulting from performing multiplication (ACMNA081)</li> </ul> Year 5 <ul style="list-style-type: none"> <li>Describe, continue and create patterns with fractions, decimals and whole numbers resulting from addition and subtraction (ACMNA107)</li> </ul> Year 6 <ul style="list-style-type: none"> <li>Continue and create sequences involving whole numbers, fractions and decimals. Describe the rule used to create the sequence (ACMNA133)</li> </ul>	2B: Multiples 2E: Multiplying by 10  3D: Halving	12A: Number sequences 12B: Finding a rule for a sequence 12C: Sequences involving fractions 12D: Sequences involving decimals	11A: Number sequences 11B: Sequences involving fractions 11C: Sequences involving decimals 11D: Patterns 11E: Using a formula to describe patterns	
<b>Introduction to algebra</b> Year 7 <ul style="list-style-type: none"> <li>Introduce the concept of variables as a way of representing numbers using letters (ACMNA175)</li> <li>Create algebraic expressions and evaluate them by substituting a given value for each variable (ACMNA176)</li> <li>Extend and apply the laws and properties of arithmetic to algebraic terms and expressions (ACMNA177)</li> </ul>				7A: Building expressions 7B: Key words in algebra 7C: Simplifying expressions 7D: Algebraic products 7E: Evaluating algebraic expressions 7F: Formulae 7G: Practical problems using formulae
<b>Linear and non-linear relationships</b>				
<b>The Cartesian plane</b> Year 7 <ul style="list-style-type: none"> <li>Given coordinates, plot points on the Cartesian plane, and find coordinates for a given point (ACMNA178)</li> </ul>				11B: Number grids 11C: Positive and negative coordinates 11D: Plotting points from a table of values
<b>Solving single linear equations</b> Year 7 <ul style="list-style-type: none"> <li>Solve simple linear equations (ACMNA179)</li> </ul>				9B: Solving simple equations 9C: Maintaining balance 9D: Inverse operations 9E: Algebraic flowcharts 9F: Solving equations 9G: Equations with a repeated variable 9I: Problem solving

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<b>Graphing and interpreting relationships</b> Year 7 <ul style="list-style-type: none"> <li>Investigate, interpret and analyse graphs from authentic data (ACMNA180)</li> </ul>				14A: Properties of line graphs 14B: Estimating from line graphs 14C: Travel graphs
<b>Measurement and geometry</b>				
<b>Units of measurement</b>				
<b>Units of physical measurement</b> Year 4 <ul style="list-style-type: none"> <li>Use scaled instruments to measure and compare lengths, masses, capacities and temperatures (ACMMG084)</li> <li>Compare objects using familiar metric units of area and volume (ACMMG290)</li> </ul> Year 5 <ul style="list-style-type: none"> <li>Choose appropriate units of measurement for length, area, volume, capacity and mass (ACMMG108)</li> </ul> Year 6 <ul style="list-style-type: none"> <li>Connect decimal representations to the metric system (ACMMG135)</li> <li>Convert between common metric units of length, mass and capacity (ACMMG136)</li> </ul>	6A: Centimetres and millimetres 6B: Estimation 6C: Metres 6D: Temperature 6E: Capacity  8A: Area 8B: Estimating area 8C: Mass 8D: Volume	8A: Length 8C: Area  10A: Volume 10B: Capacity 10D: Mass	8A: Length 8F: Capacity 8G: Mass	
<b>Calculating quantities of two-dimensional spatial measure</b> Year 5 <ul style="list-style-type: none"> <li>Calculate perimeter and area of rectangles using familiar metric units (ACMMG109)</li> </ul> Year 6 <ul style="list-style-type: none"> <li>Solve problems involving the comparison of lengths and areas using appropriate units (ACMMG137)</li> </ul> Year 7 <ul style="list-style-type: none"> <li>Establish the formulas for areas of rectangles, triangles and parallelograms, and use these in problem-solving (ACMMG159)</li> </ul>		8B: Perimeter 8C: Area	8A: Length 8B: Perimeter 8C: Area 8D: The area of a rectangle	12C: Area 12D: The area of a rectangle 12E: Other areas
<b>Calculating quantities of three-dimensional spatial measure</b> Year 6 <ul style="list-style-type: none"> <li>Connect volume and capacity and their units of measurement (ACMMG138)</li> </ul> Year 7 <ul style="list-style-type: none"> <li>Calculate volumes of rectangular prisms (ACMMG160)</li> </ul>			8E: Volume 8F: Capacity	12F: Volume
<b>Language of time</b> Year 4 <ul style="list-style-type: none"> <li>Use 'am' and 'pm' notation and solve simple time problems (ACMMG086)</li> </ul> Year 5 <ul style="list-style-type: none"> <li>Compare 12- and 24-hour time systems and convert between them (ACMMG110)</li> </ul>	7A: Telling the time 7B: AM and PM 7C: Time calculations 7F: Timetables	7A: Analogue time 7B: Digital time 7C: Units of time 7E: 24-Hour time		
<b>Units of time</b> Year 4 <ul style="list-style-type: none"> <li>Convert between units of time (ACMMG085)</li> </ul>	7D: Units of time 7E: Converting units			

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<b>Applications of time</b> Year 6 <ul style="list-style-type: none"> <li>Interpret and use timetables (ACMMG139)</li> </ul>			7E: Timetables	
<b>Shape</b>				
<b>Comparing shapes</b> Year 4 <ul style="list-style-type: none"> <li>Compare the areas of regular and irregular shapes by informal means (ACMMG087)</li> <li>Compare and describe two dimensional shapes that result from combining and splitting common shapes, with and without the use of digital technologies (ACMMG088)</li> </ul>	8A: Area 8B: Estimating area  9C: Properties of shapes 9D: Composite shapes 9E: Describing composite shapes			
<b>Drawing and representing shapes</b> Year 5 <ul style="list-style-type: none"> <li>Connect three-dimensional objects with their nets and other two-dimensional representations (ACMMG111)</li> </ul> Year 6 <ul style="list-style-type: none"> <li>Construct simple prisms and pyramids (ACMMG140)</li> </ul> Year 7 <ul style="list-style-type: none"> <li>Draw different views of prisms and solids formed from combinations of prisms (ACMMG161)</li> </ul>		4F: Solids 4G: Drawing solids 4H: Constructing solids	4D: Solids 4E: Constructing Solids	18A: Drawing rectangular solids 18B: Views of solids
<b>Location and transformation</b>				
<b>Using maps</b> Year 4 <ul style="list-style-type: none"> <li>Use simple scales, legends and directions to interpret information contained in basic maps (ACMMG090)</li> </ul> Year 5 <ul style="list-style-type: none"> <li>Use a grid reference system to describe locations. Describe routes using landmarks and directional language (ACMMG113)</li> </ul>	14A: Describing position 14B: Legends 14C: Scale	13A: Position 13B: Map references 13C: Finding points 13D: Compass points		
<b>Introduction to transformations</b> Year 4 <ul style="list-style-type: none"> <li>Create symmetrical patterns, pictures and shapes with and without digital technologies (ACMMG091)</li> </ul>	10A: Line symmetry 10B: Patterns			
<b>Transformations of two-dimensional shapes</b> Year 5 <ul style="list-style-type: none"> <li>Describe translations, reflections and rotations of two-dimensional shapes. Identify line and rotational symmetries (ACMMG114)</li> <li>Apply the enlargement transformation to familiar two dimensional shapes and explore the properties of the resulting image compared with the original (ACMMG115)</li> </ul> Year 6 <ul style="list-style-type: none"> <li>Investigate combinations of translations, reflections and rotations, with and without the use of digital technologies (ACMMG142)</li> </ul>		14A: Reflections 14B: Line symmetry 14C: Translations 14D: Rotations 14E: Enlarging and reducing	15A: Translations 15B: Reflections 15C: Rotations 15D: Combinations of transformations	

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<b>Transformations on the Cartesian plane</b> Year 6 <ul style="list-style-type: none"> <li>Introduce the Cartesian coordinate system using all four quadrants (ACMMG143)</li> </ul> Year 7 <ul style="list-style-type: none"> <li>Describe translations, reflections in an axis and rotations of multiples of 90° on the Cartesian plane using coordinates. Identify line and rotational symmetries (ACMMG181)</li> </ul>			13C: Coordinates 13D: Positive and negative coordinates 13E: Scales 13F: Direction	17A: Translations 17B: Reflections and line symmetry 17C: Rotations and rotational symmetry 17D: Combinations of transformations
<b>Geometric reasoning</b>				
<b>Introduction to angles</b> Year 4 <ul style="list-style-type: none"> <li>Compare angles and classify them as equal to, greater than, or less than, a right angle (ACMMG089)</li> </ul> Year 5 <ul style="list-style-type: none"> <li>Estimate, measure and compare angles using degrees. Construct angles using a protractor (ACMMG112)</li> </ul> Year 6 <ul style="list-style-type: none"> <li>Investigate, with and without digital technologies, angles on a straight line, angles at a point and vertically opposite angles. Use results to find unknown angles (ACMMG141)</li> </ul>	9A: Right angles 9B: Other angles	3A: Angles 3B: Measuring angles 3C: Constructing angles	2B: Angles 2C: Angles at a point or on a line 2D: Vertically opposite angles	
<b>Parallel lines</b> Year 7 <ul style="list-style-type: none"> <li>Identify corresponding, alternate and co-interior angles when two straight lines are crossed by a transversal (ACMMG163)</li> <li>Investigate conditions for two lines to be parallel and solve simple numerical problems using reasoning (ACMMG164)</li> </ul>				2A: Points and lines 2C: Angle properties 2D: Angle pairs 2E: Parallel lines 2F: Geometric construction
<b>Properties of triangles and quadrilaterals</b> Year 7 <ul style="list-style-type: none"> <li>Classify triangles according to their side and angle properties and describe quadrilaterals (ACMMG165)</li> <li>Demonstrate that the angle sum of a triangle is 180° and use this to find the angle sum of a quadrilateral (ACMMG166)</li> </ul>				10B: Triangles 10C: Angles of a triangle 10D: Isosceles triangles 10E: Quadrilaterals 10F: Angles of a quadrilateral
<b>Statistics and probability</b>				
<b>Chance</b>				
<b>Describing probability</b> Year 4 <ul style="list-style-type: none"> <li>Describe possible everyday events and order their chances of occurring (ACMSP092)</li> <li>Identify everyday events where one cannot happen if the other happens (ACMSP093)</li> <li>Identify events where the chance of one will not be affected by the occurrence of the other (ACMSP094)</li> </ul>	11A: Describing probability 11B: 50-50 chance 11C: Predicting outcomes			



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<b>Numerical representations of probability</b> Year 5 <ul style="list-style-type: none"> <li>List outcomes of chance experiments involving equally likely outcomes and represent probabilities of those outcomes using fractions (ACMSP116)</li> <li>Recognise that probabilities range from 0 to 1 (ACMSP117)</li> </ul> Year 6 <ul style="list-style-type: none"> <li>Describe probabilities using fractions, decimals and percentages (ACMSP144)</li> </ul> Year 7 <ul style="list-style-type: none"> <li>Assign probabilities to the outcomes of events and determine probabilities for events (ACMSP168)</li> </ul>		11A: Describing probability 11B: Possible outcomes 11C: Calculating probabilities	12B: Assigning numbers to probabilities 12D: Calculating probabilities	15B: Assigning numbers to probabilities 15D: Theoretical probability
<b>Simple chance experiments</b> Year 6 <ul style="list-style-type: none"> <li>Conduct chance experiments with both small and large numbers of trials using appropriate digital technologies (ACMSP145)</li> <li>Compare observed frequencies across experiments with expected frequencies (ACMSP146)</li> </ul> Year 7 <ul style="list-style-type: none"> <li>Construct sample spaces for single-step experiments with equally likely outcomes (ACMSP167)</li> </ul>			12C: Possible outcomes 12D: Calculating probabilities	15A: Describing probability 15C: Sample space
<b>Data representation and interpretation</b>				
<b>Data collection</b> Year 4 <ul style="list-style-type: none"> <li>Select and trial methods for data collection, including survey questions and recording sheets (ACMSP095)</li> </ul> Year 5 <ul style="list-style-type: none"> <li>Pose questions and collect categorical or numerical data by observation or survey (ACMSP118)</li> </ul>	12A: Collecting and recording data	15C: Collecting categorical data 15D: Numerical data		
<b>Analysis of data collection methods</b> Year 7 <ul style="list-style-type: none"> <li>Identify and investigate issues involving numerical data collected from primary and secondary sources (ACMSP169)</li> </ul>				16A: Data collection 16C: Numerical data
<b>Data representation</b> Year 4 <ul style="list-style-type: none"> <li>Construct suitable data displays, with and without the use of digital technologies, from given or collected data. Include tables, column graphs and picture graphs where one picture can represent many data values (ACMSP096)</li> </ul> Year 5 <ul style="list-style-type: none"> <li>Construct displays, including column graphs, dot plots and tables, appropriate for data type, with and without the use of digital technologies (ACMSP119)</li> </ul> Year 7 <ul style="list-style-type: none"> <li>Construct and compare a range of data displays including stem-and-leaf plots and dot plots (ACMSP170)</li> </ul>	12B: Displaying data 12C: Column graphs	15B: Displaying categorical data 15D: Numerical data		16B: Categorical data 16C: Numerical data

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<b>Interpretation of data displays</b> Year 4 <ul style="list-style-type: none"> <li>Evaluate the effectiveness of different displays in illustrating data features including variability (ACMSP097)</li> </ul> Year 5 <ul style="list-style-type: none"> <li>Describe and interpret different data sets in context (ACMSP120)</li> </ul> Year 6 <ul style="list-style-type: none"> <li>Interpret and compare a range of data displays, including side-by-side column graphs for two categorical variables (ACMSP147)</li> <li>Interpret secondary data presented in digital media and elsewhere (ACMSP148)</li> </ul>	12B: Displaying data 12C: Column graphs	15A: Categorical data 15B: Displaying categorical data 15D: Numerical data	14A: Categorical data 14B: Graphs of categorical data 14C: Comparing categorical data 14D: Pictographs 14E: Numerical data	
<b>Measures of location and spread</b> Year 7 <ul style="list-style-type: none"> <li>Calculate mean, median, mode and range for sets of data. Interpret these statistics in the context of data (ACMSP171)</li> <li>Describe and interpret data displays using median, mean and range (ACMSP172)</li> </ul>				16B: Categorical data 16C: Numerical data 16D: Measuring the centre and spread