|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Number** |  | **Measurement** |  | **Statistics** |
|  |  |  |  |  |
| **Algebra** |  | **Space** |  | **Probability** |
|  |  |  |  |  |
| **Topic – including level, semester and sequence** |

 Mathematics plan – primary school example

This example **curriculum area plan** has been developed for primary schools, based on the Mathematics Version 2.0 curriculum Levels F–6. It includes topics that cover all 6 Mathematic strands. This curriculum area plan considers the**:**

* development and sequence of related topics across the years
* focus and time allocation for coverage of content (knowledge and skills)
* balance of topics across the strands to support learning progression based on the curriculum continuum and reduce the risk of repetition or gaps.

This curriculum area plan could be extended to include Level 7 or used in conjunction with a curriculum area plan for secondary schools based on Mathematics Version 2.0 curriculum Levels 7–10.

**Hint:** A curriculum area plan such as this one can be generated or updated using a completed **curriculum area map**. The curriculum area plan can then be used to help generate or
update **teaching and learning units**.

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | **Week** | **1** | **2** | **3** | **4** | **5** | **6** | **7** | **8** | **9** | **10** | **11** | **12** | **13** | **14** | **15** | **16** | **17** | **18** |
| **Prep** | **Semester 1** | **0.1.1 Understanding language and the process of counting**  | **0.1.2 Direct and indirect comparisons of length, mass and capacity** | **0.1.3 Investigating and collecting data**  | **0.1.4 Teen numbers** | **0.1.5 Sorting, naming, creating and recognising familiar 2D shapes** | **0.1.6 Recognising numbers using counting and subitising**  | **0.1.7 Days of the week and times of the day** | **0.1.8 Following instructions and creating repeating patterns** | **0.1.9 Language of position and location** | **0.1.10 Partitioning and combining collections up to 10** | **0.1.11 Making, naming and ordering numbers to at least 20** |
| Number | Measurement | Statistics | Number |  Space | Number | Measurement | Algebra | Space | Number | Number |
| Number |
| **Semester 2** | **0.2.1 Patterns with numbers**  | **0.2.2 Revisiting measurement: comparisons of length, mass and capacity** | **0.2.3 Interpreting data**  | **0.2.4 Sharing objects into fair groups**  | **0.2.5 Comparing features of shapes**  | **0.2.6 Counting forwards and backwards** | **0.2.7 Ordinal numbers** | **0.2.8 Revisiting time connected to events and actions**  | **0.2.9 Informal skip counting**  | **0.2.10 Revisiting language of position and movement**  | **0.2.11 Strategies for adding**  |
| Number | Measurement | Statistics | Number | Space | Number | Algebra | Number | Measurement | Number | Space | Number |
| Number |
| **Year 1** | **Semester 1** | **1.1.1 Patterns in the number system** | **1.1.2 Measuring and comparing length informally** | **1.1.3 Acquiring and recording data in a variety of ways**  | **1.1.4 Partitioning one- and two-digit numbers** | **1.1.5 Describing the duration of events using units of time** | **1.1.6 Addition and subtraction: strategies**  | **1.1.7 Recognising, continuing and creating pattern sequences**  | **1.1.8 Location: giving and following directions**  | **1.1.9 Making, comparing and classifying familiar 2D shapes**  | **1.1.10 Solving simple addition and subtraction problems**  | **1.1.11 Modelling practical problems involving sharing and grouping** |
| Number | Measurement | Statistics | Number | Measurement | Number | Algebra | Space | Space | Number | Number |
| Number | Number |
| **Semester 2** | **1.2.1 Number sequences and skip counting** | **1.2.2 Measuring and comparing capacity/mass**  | **1.2.3 Representing, comparing and discussing data** | **1.2.4 Fractions: what is half?** | **1.2.5 Identifying similarities and differences in familiar 3D objects** | **1.2.6 Number: grouping and sharing**  | **1.2.7 Modelling practical problems involving additive situations, including money** | **1.2.8 Number: revisiting place value and counting** | **1.2.9 Recognising, continuing and creating repeating patterns**  | **1.2.10 Number: revising addition and subtraction**  | **1.2.11 Skip counting and simple multiplication** |
| Number | Measurement | Statistics | Number | Space | Number | Number | Number | Algebra | Number | Number |
| **Year 2** | **Semester 1** | **2.1.1 Skip counting and number sequences**  | **2.1.2 Measurement: comparing length, capacity and mass** | **2.1.3 Data from surveys, observations and experiments**  | **2.1.4 Place value to at least 1000** | **2.1.5 Modelling practical problems including money transactions** | **2.1.6 Strategies for addition and subtraction**  | **2.1.7 Calendar and clock times** |
| Number | Measurement | Space | Statistics | Number | Number | Number | Measurement |
| Algebra | Space |
| **Semester 2** | **2.2.1 Multiplication and division facts for twos, including doubling and halving** | **2.2.2 Revisiting measuring length, mass and capacity** | **2.2.3 Additive patterns and missing elements** | **2.2.4 Summarising and displaying data in tables, lists and graphs**  | **2.2.5 Halves, quarters and eighths of wholes linked to number and shapes** | **2.2.6 Recognising, comparing and classifying 2D shapes using sides and spatial terms** | **2.2.7 Analog clock times and measures of turn** | **2.2.8 Locating positions in 2D and following directions** | **2.2.9 Repeated arithmetic operations** |
| Algebra | Measurement | Algebra | Space | Statistics | Number | Space | Measurement | Space | Number |
| Number | Measurement | Algebra |
|  | **Week** | **1** | **2** | **3** | **4** | **5** | **6** | **7** | **8** | **9** | **10** | **11** | **12** | **13** | **14** | **15** | **16** | **17** | **18** |

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|  | **Week** | **1** | **2** | **3** | **4** | **5** | **6** | **7** | **8** | **9** | **10** | **11** | **12** | **13** | **14** | **15** | **16** | **17** | **18** |
| **Year 3** | **Semester 1** | **3.1.1 Odd and even numbers** | **3.1.2 Addition, subtraction and inverse** | **3.1.3 Exploring objects** | **3.1.4 Measuring length** | **3.1.5 Applying efficient mental strategies** | **3.1.6 Data representation and interpretation** | **3.1.7 Counting with fractions** | **3.1.8 Angles** | **3.1.9 Units of time and duration** | **3.1.10 Whole numbers up to 10 000** | **3.1.11 Money representations** |
| Number | Number | Space | Measurement | Algebra | Statistics | Number | Measurement | Measurement | Number | Number |
| Algebra |
| **Semester 2** | **3.2.1 Multiplication and division** | **3.2.2 Multiplication and division facts** | **3.2.3 Measure and compare objects** | **3.2.4 Two-dimensional representations** | **3.2.5 Solving practical problems using number** | **3.2.6 Combining fractions** | **3.2.7 Chance** | **3.2.8 Chance experiments and variation** | **3.2.9 Analog and digital clocks** | **3.2.10 Whole numbers beyond 10 000** |
| Number | Number | Measurement | Space | Number | Number | Probability | Probability | Measurement | Number |
| Algebra |
| **Year 4** | **Semester 1** | **4.1.1 Equivalent fractions and decimals**  | **4.1.2 2D shapes and symmetry properties** | **4.1.3 Perimeter and area of familiar and compound 2D shapes** | **4.1.4 Simple fractions and decimals up to one** | **4.1.5 Acquiring, recording and analysing data using appropriate methods** | **4.1.6 Addition and subtraction strategies** | **4.1.7 Multiplication facts and division up to 10 × 10** | **4.1.8 Estimating and comparing angles using their names** | **4.1.9 3D objects** | **4.1.10 Fractions and decimals to hundredths** |
| Number | Space | Measurement | Number | Statistics | Number | Algebra | Measurement | Space | Number |
| Space | Number |
| **Semester 2** | **4.2.1 Multiplication and division strategies** | **4.2.2 Using instruments to measure length, mass, temperature and capacity** | **4.2.3 Algorithms, sequences and patterns** | **4.2.4 Counting fractions and number lines** | **4.2.5 Practical activities and events involving repeated chance**  | **4.2.6 Investigations, surveys, interpretation and communication of data**  | **4.2.7 Grids, location and position**  | **4.2.8 Using number properties to solve numerical equations** | **4.2.9 Solving practical time problems involving duration and conversions** | **4.2.10 Modelling problems involving multiplication and division and money** |
| Number | Measurement | Number | Number | Number | Probability | Probability | Statistics | Space | Algebra | Number | Measurement | Number |
| Algebra | Number | Number |
| **Year 5** | **Semester 1** | **5.1.1 Products and factors of natural numbers**  | **5.1.2 Comparing and ordering fractions on a number line** | **5.1.3 Connecting and building objects from nets** | **5.1.4 Operations with whole numbers and decimal numbers**  | **5.1.5 Measuring and recording angles in degrees** | **5.1.6 Translations, reflections, rotations and symmetry of shapes** | **5.1.7 Estimates and approximates in problem-solving** | **5.1.8 Addition and subtraction of fractions** | **5.1.9 Appropriate units to measure length, mass and capacity of objects** | **5.1.10 Acquiring, recording and analysing data using appropriate methods** | **5.1.11 Patterns with percentages, fractions and decimals** |
| Number | Number | Space | Number | Number | Measurement | Space | Number | Number | Measurement | Statistics | Number |
| Number |
| **Semester 2** | **5.2.1 Solving practical time system problems**  | **5.2.2 Multiplication and division as inverse operations** | **5.2.3 Multi-digit multiplication and division** | **5.2.4 Algorithms, sequences and patterns** | **5.2.5 Problem-solving involving perimeter and area** | **5.2.6 Statistical investigations and the presentation of data including line graphs** | **5.2.7 Using number properties to solve numerical equations** | **5.2.8 Coordinate grid system and location** | **5.2.9 Observing and recording results for experiments involving equal and unequal outcomes** | **5.2.10 Modelling problems involving the arithmetic operations and money** |
| Measurement | Algebra | Number | Number | Measurement | Statistics | Number | Algebra | Space | Probability | Number |
| Number | Number | Algebra |
| **Year 6** | **Semester 1** | **6.1.1 Types of numbers in problems (prime, composite, square, triangular)** | **6.1.2 Operating with decimal numbers and approximate numerical solutions** | **6.1.3 The four operations with whole numbers, fractions and decimals** | **6.1.4 Straight line and vertically opposite angles at a point** | **6.1.5 Time, length, area and perimeter, connecting to decimal numbers and converting between units of measure** | **6.1.6 Discussing and critiquing statistical reports in the media** | **6.1.7 Algorithms, sequences and patterns** | **6.1.8 Time linked to timetables, itineraries, activities and events** |
| Number | Number | Number | Space | Number | Measurement | Statistics | Number | Measurement |
| Algebra | Algebra | Algebra | Number |
| **Semester 2** | **6.2.1 Operating with fractions** | **6.2.2 Connecting fractions, decimals and percentages including discounts** | **6.2.3 Statistical investigations and the presentation and analysis of data** | **6.2.4 Using number properties to solve numerical equations** | **6.2.5 Transformation and Cartesian coordinates** | **6.2.6 Problems involving metric units for capacity and mass and features of prisms**  | **6.2.7 Repeated chance experiments and simulations involving fractions, decimals and percentages** | **6.2.8 Modelling problems involving percentages and fractions including financial contexts** |
| Number | Number | Statistics | Number | Algebra | Space | Measurement | Probability | Number |
| Number |
|  | **Week** | **1** | **2** | **3** | **4** | **5** | **6** | **7** | **8** | **9** | **10** | **11** | **12** | **13** | **14** | **15** | **16** | **17** | **18** |