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

 Mathematics plan – secondary school example

This example **curriculum area plan** has been developed for secondary schools, based on the Mathematics Version 2.0 curriculum Levels 7–10. 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 6 or Level 10A or used in conjunction with a curriculum area plan for primary schools based on Mathematics Version 2.0 curriculum Levels F–6.

**Hint:** A curriculum area plan such as this one can be populated or updated using a completed **curriculum area map**. The curriculum area plan can then be used to help populate 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** |
| **Year 7** | **Semester 1** | **7.1.1 Surveys and statistical investigations** | **7.1.2 Whole numbers, factors and multiples** | **7.1.3 Angles, lines and shapes** | **7.1.4 Maps, polygons and transformations** | **7.1.5 Fractions** | **7.1.6 Decimals** | **7.1.7 Experiments, simulation and probability** |
| Statistics | Number | Measurement | Space | Number | Number  | Probability |
| **Semester 2** | **7.2.1 Length, area and circles** | **7.2.2 Percentages and ratios** | **7.2.3 Patterns in number** | **7.2.4 Displaying and summarising data** | **7.2.5 Integers and number lines** | **7.2.6 Formula, rules and equations** | **7.2.7 Solids, volume, capacity and mass** |
| Measurement | Number | Algebra | Statistics | Number | Algebra | Measurement |
| **Year 8** | **Semester 1** | **8.1.1 Integers and time zones** | **8.1.2 The Cartesian plane** | **8.1.3 Rational numbers** | **8.1.4 Percentages** | **8.1.5 Real numbers and exponents** | **8.1.6 Shapes, perimeter and area** | **8.1.7 Collecting and displaying data** |
| Number  | Algebra | Number | Number | Number | Measurement | Statistics |
| Measurement | Algebra |
| **Semester 2** | **8.2.1 Algebra and linear expressions** | **8.2.2 Linear equations and inequalities** | **8.2.3 Ratio and rates** | **8.2.4 Congruence and similarity** | **8.2.5 Objects, surface area and volume** | **8.2.6 Linear functions and graphs** | **8.2.7 Pythagoras’ theorem and applications** | **8.2.8 Probability and simulations** |
| Algebra | Algebra | Measurement | Space | Measurement | Algebra | Number | Probability |
| Space | Measurement |
| **Year 9** | **Semester 1** | **9.1.1 Indices and scientific notation** | **9.1.2 Right-angled triangle properties** | **9.1.3 Algebra techniques** | **9.1.4 Linear relations and coordinate geometry** | **9.1.5 Rates, ratios, proportions and errors** | **9.1.6 Probability** | **9.1.7 Similarity and trigonometric ratios** |
|  Algebra | Measurement | Algebra | Algebra | Measurement | Probability | Space |
| Number |
| **Semester 2** | **9.2.1 Modelling with trigonometry** | **9.2.2 Linear equations** | **9.2.3 Financial maths**  | **9.2.4 Shapes, prisms and cylinders** | **9.2.5 Statistics** | **9.2.6 Further algebra** | **9.2.7 Non-linear relations** |
| Measurement | Algebra | Algebra | Measurement | Statistics | Algebra | Algebra |
| **Year 10** | **Semester 1** | **10.1.1 Linear relationships** | **10.1.2 Statistics univariate** | **10.1.3 Measurement** | **10.1.4 Indices and financial applications** | **10.1.5 Coordinates geometry and simultaneous equations** | **10.1.6 Algebra techniques** |
|  Algebra | Statistics | Measurement |  Algebra |  Algebra |  Algebra |
| Number |
| **Semester 2** | **10.2.1 Quadratic functions** | **10.2.2 Proportion and trigonometry** | **10.2.3 Geometry** | **10.2.4 Probability** | **10.2.5 Statistics bivariate** | **10.2.6 Relations and their graphs** |
|  Algebra | Measurement | Space | Probability | Statistics |  Algebra |
|  | **Week** | **1** | **2** | **3** | **4** | **5** | **6** | **7** | **8** | **9** | **10** | **11** | **12** | **13** | **14** | **15** | **16** | **17** | **18** |