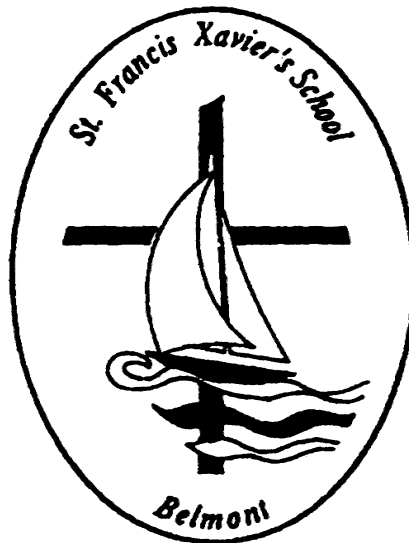


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# *Mathematics Policy*

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*Let Your Light Shine*

**2015**  
to be reviewed  
**2018**

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## **RATIONALE**

Mathematics pervades all aspects of our lives. It has applications in many human activities, crossing cultural and linguistic boundaries to provide a universal way of solving problems. Mathematics plays a crucial role in a rapidly changing world. As competence in Mathematics is integral to successful participation in this changing world, children need to learn, develop proficiency in and become mathematically literate.

## **AIMS**

The aim of this policy is to develop students' mathematical thinking, understanding, competence and confidence in the application of Mathematics.

Through learning Mathematics in our school, students work towards:

1. the acquisition of mathematical skills and knowledge to deal confidently and competently with daily life.
2. becoming numerate and mathematically fluent.
3. the ability to interpret and communicate quantitative and logical ideas accurately.
4. recognition of the fundamental importance of Mathematics to the functioning of society.
5. understanding and appreciation of the nature of mathematical thinking, the processes by which Mathematics changes, its cultural role, and its role in social and technological change.
6. using technology appropriately and effectively to support the learning of Mathematics, and in carrying out mathematical activities in context.

## **IMPLEMENTATION**

1. All teachers will have access to a personal and online copy of the NSW Mathematics Syllabus.
2. Mathematics is allocated approximately 20% of the weekly teaching time.
3. Students' individual progress is monitored using a variety of assessment forms.
4. Assessment data is used to differentiate the curriculum for children at both ends of the academic spectrum.
5. A diverse range of 'hands on' and practical real-life activities are utilised in the classroom teaching of Mathematics.
6. Information Technology opportunities should be incorporated in activities and learning experiences
7. Students are required to work as individuals, as well as with others, to solve problems.
8. Student progress in all strands of Mathematics is reported at the end of Semester One and Semester Two using the Diocesan A – E Reporting Format.

## **TEACHER RESPONSIBILITIES**

1. Development of a differentiated teaching programme.
2. Teachers teach and program from the NSW K-6 Mathematics Syllabus using the school's Scope and Sequence.
3. Allocate 20% of teaching time to the teaching of Mathematics.
4. Ongoing assessment, **as**, **of** and **for** learning of both the teaching programme and the children's progress according to the school's assessment policy. (refer Appendix and Assessment Policy)
5. Modifications to teaching programmes based on the needs of the children. (see Programming Policy)
6. Assessment data to be kept to support teaching programme (see Assessment Policy).
7. Providing information to parents on the progress of their child/children (see Assessment and Reporting Policy).
8. Presentation of yearly Overviews. (see Programming Policy)

9. Continue professional development in Maths.
10. To prepare and submit a program of what they have and are going to teach each term. (See Programming Policy).
11. Track student's progress on ELK 2
- 12.

### ***EXECUTIVE RESPONSIBILITIES***

1. To provide leadership in the teaching of Mathematics.
2. To ensure that staff are kept up to date with CSO and BOSTES requirements in relation to Mathematics.
3. To ensure that teachers are made aware of and provided with suitable professional development opportunities in Mathematics.
4. To ensure that all teachers are aware of their responsibilities in relation to the programming, teaching, assessment and reporting of Mathematics.
5. To monitor the programming, teaching, assessment and reporting of Mathematics in the school.
6. To determine an appropriate amount within the yearly budget for training and the purchase of resources.
7. To lead the development, implementation and review of the school's Mathematics Policy.

### ***BUDGET***

To set an appropriate amount from within the annual school budget that will ensure the effectiveness of this Mathematics Policy.

### ***EVALUATION***

This policy will be reviewed every 3 years or as required by CSO or BOSTES amendments. The Assistant Principal is responsible for the co-ordination of policy reviews.

## *Appendix*

| <b>Class</b> | <b>Formal Assessment</b>                | <b>Frequency</b>   |
|--------------|---|--|
| <b>K</b>     | <b>Best Start Assessment<br/>SENA 1</b> | <b>1<sup>st</sup> week of school<br/>Mid to late Term 4</b>            |
| <b>1</b>     | <b>SENA 1</b>                           | <b>Mid to late Term 2</b>  |
| <b>2</b>     | <b>ACER PAT MATHS<br/>SENA 1</b>        | <b>1<sup>st</sup> &amp; 4<sup>th</sup> Term<br/>Mid to late Term 2</b> |
| <b>3</b>     | <b>ACER PAT MATHS<br/>SENA 2</b>        | <b>1<sup>st</sup> &amp; 4<sup>th</sup> Term<br/>Mid to late Term 2</b> |
| <b>4</b>     | <b>ACER PAT MATHS<br/>SENA 2</b>        | <b>1<sup>st</sup> &amp; 4<sup>th</sup> Term<br/>Mid to late Term 2</b> |
| <b>5</b>     | <b>ACER PAT MATHS</b>                   | <b>1<sup>st</sup> &amp; 4<sup>th</sup> Term</b>                        |
| <b>6</b>     | <b>ACER PAT MATHS</b>                   | <b>1<sup>st</sup> &amp; 4<sup>th</sup> Term</b>                        |

| <b>National Assessments</b> |               |
|-----------------------------|---------------|
| <b>K/1</b>                  |               |
| <b>2</b>                    |               |
| <b>3</b>                    | <b>NAPLAN</b> |
| <b>4</b>                    |               |
| <b>5</b>                    | <b>NAPLAN</b> |
| <b>6</b>                    |               |
|                             |               |

# Mathematics Scope and Sequence 2016

**School: St Francis Xavier's Belmont**

**Stage: Early Stage One**

**Class: Kindergarten**

| Week | Term One   |  | Term Two   | Term Three   |  | Term Four  |
|------|--|--|--|--|--|--|
| 1    | <b>Best Start</b>  |  | Whole Numbers (Focus on 11-20)<br>Money introduced. Exposure to notes and coins.<br>Recognising.<br>MAe-1WM, MAe-2WM, MAe-3WM, Mae-4NA | Whole Number<br>(Focus on 20-30)<br>MAe-1WM, MAe-2WM, MAe-3WM, Mae-4NA | Whole Number<br>MAe-1WM, MAe-2WM, MAe-3WM, Mae-4NA<br>Multiplication and Division  |  |
| 2    | Whole Number (Focus on 0-10)<br>MAe-1WM, MAe-2WM, MAe-3WM, Mae-4NA                 |  | Addition and Subtraction<br>MAe-1WM, MAe-2WM, MAe-3WM, Mae-5NA   | Addition and Subtraction<br>MAe-1WM, MAe-2WM, MAe-3WM, Mae-5NA         | Addition and Subtraction<br>MAe-1WM, MAe-2WM, MAe-3WM, Mae-5NA                     |  |
| 3    | Whole Number (Addition & Subtraction)<br>MAe-1WM, MAe-2WM, MAe-3WM, Mae-5NA        |  | Multiplication & Division<br>MAe-1WM, MAe-2WM, MAe-6NA   | Patterns and Algebra<br>MAe-1WM, MAe-2WM, MAe-3WM, Mae-8NA             | Patterns and Algebra<br>MAe-1WM, MAe-2WM, MAe-3WM, Mae-8NA                         |  |
| 4    | Addition & Subtraction<br>MAe-1WM, MAe-2WM, MAe-3WM, Mae-5NA                       |  | Fractions and Decimals<br>Mae-1WM, Mae-3WM, Mae-7NA  | Multiplication and Division<br>MAe-1WM, MAe-2WM, MAe-6NA               | Whole Number<br>Money<br>MAe-1WM, MAe-2WM, MAe-3WM, Mae-4NA                        |  |
| 5    | Multiplication & Division<br>MAe-1WM, MAe-2WM, MAe-6NA                             |  | Patterns and Algebra<br>MAe-1WM, MAe-2WM, MAe-3WM, Mae-8NA   | Fractions and Decimals<br>Mae-1WM, Mae-3WM, Mae-7NA                    | Multiplication and Division<br>MAe-1WM, MAe-2WM, MAe-6NA                           |  |
| 6    | Patterns and Algebra<br>MAe-1WM, MAe-2WM, MAe-3WM, Mae-8NA                         |  | Length<br>MAe-1WM, MAe-3WM, MAe-9MG, Mae-10MG  | 3D Space<br>MAe-1WM, MAe-3WM, Mae-14MG                                 | Length<br>MAe-1WM, MAe-3WM, MAe-9MG, Mae-10MG                                      |  |
| 7    | 3D Space<br>MAe-1WM, MAe-3WM, Mae-14MG   |  | Area<br>MAe-1WM, MAe-3WM, MAe-9MG, Mae-10MG  | 2D Space<br>MAe-1WM, MAe-2WM, Mae-15MG                                 | Area<br>MAe-1WM, MAe-3WM,<br>MAe-9MG, Mae-10MG                                     | Fractions and Decimals<br>Mae-1WM, Mae-3WM,<br>Mae-7NA             |
| 8    | 2D Space<br>MAe-1WM, MAe-2WM, Mae-15MG   |  | Volume & Capacity<br>Mae-1WM, Mae-11MG   | Position<br>Mae-1WM, Mae-16MG  | Volume & Capacity<br>Mae-1WM, Mae-11MG   |  |
| 9    | Position<br>Mae-1WM, Mae-16MG  | Fractions and Decimals<br>Mae-1WM, Mae-3WM,<br>Mae-7NA | Mass<br>3D Space<br>MAe-1WM, MAe-3WM, Mae-12MG, Mae-14MG   | Volume and Capacity<br>Mae-1WM, Mae-11MG<br>Mae1WM, Mae-13MG           | Mass<br>3D Space<br>MAe-1WM, MAe-3WM, Mae-12MG, Mae-14MG                           |  |
| 10   | Data<br>Mae-1WM, Mae-3WM, Mae-17SP   |  | Time: Compare and order the duration of events<br>Mae1WM, Mae-13MG   | Data<br>Mae-1WM, Mae-3WM,<br>Mae-17SP                                  | Time: Connect days of the week to familiar events and actions.<br>Mae1WM, Mae-13MG | Time: Compare and order the duration of events<br>Mae1WM, Mae-13MG |
| 11   | Time: Connect days of the week to familiar events and actions.<br>Mae1WM, Mae-13MG |  |  |  |  |  |

# Year One Scope and Sequence 2016

School: St Francis Xavier's Belmont

Stage: 1

Class: Year 1

|    | TERM 1  | TERM 2  | TERM 3  | TERM 4  |
|----|---|---|---|---|
| 1  | WHOLE NUMBERS 1<br>MA1-1WM, MA1-2WM, MA1-3WM                                  | WHOLE NUMBERS 1<br>MA1-1WM, MA1-2WM, MA1-3WM            | WHOLE NUMBERS 1<br>MA1-1WM, MA1-2WM, MA1-3WM            | WHOLE NUMBERS 1<br>MA1-1WM, MA1-2WM, MA1-3WM                                  |
| 2  | WHOLE NUMBERS 1<br>MA1-1WM, MA1-2WM, MA1-3WM                                  | ADDITION AND SUBTRACTION 1<br>MA1-1WM, MA1-2WM, MA1-3WM | ADDITION & SUBTRACTION 1<br>MA1-1WM, MA1-2WM, MA1-3WM   | WHOLE NUMBER 1<br>MA1-1WM, MA1-2WM, MA1-3WM                                   |
| 3  | ADDITION AND SUBTRACTION 1<br>MA1-1WM, MA1-2WM, MA1-3WM                       | ADDITION AND SUBTRACTION 1<br>MA1-1WM, MA1-2WM, MA1-3WM | ADDITION AND SUBTRACTION 1<br>MA1-1WM, MA1-2WM, MA1-3WM | ADDITION AND SUBTRACTION 1<br>MA1-1WM, MA1-2WM, MA1-3WM                       |
| 4  | ADDITION AND SUBTRACTION 1<br>MA1-1WM, MA1-2WM, MA1-3WM                       | PATTERNS AND ALGEBRA<br>MA1-1WM, MA1-2WM                | PATTERNS AND ALGEBRA 1<br>MA1-1WM, MA1-2WM              | PATTERNS AND ALGEBRA 1<br>MA1-1WM, MA1-2WM                                    |
| 5  | PATTERNS AND ALGEBRA 1<br>MA1-1WM, MA1-2WM                                    | MASS 1<br>MA1-1WM, MA1-12MG                             | MASS 1<br>MA1-1WM, MA1-12MG                             | 2D SPACE 1 / 3D SPACE 1<br>MA1-1WM, MA1-14MG, MA1-3WM, MA1-15MG               |
| 6  | 3D SPACE 1 / 2D SPACE 1<br>MA1-1WM, MA1-14MG MA1-3WM, MA1-15MG                | MULTIPLICATION & DIVISION 1<br>MA1-1WM                  | MULTIPLICATION & DIVISION 1<br>MA1-1WM                  | MULTIPLICATION & DIVISION 1<br>MA1-1WM  |
| 7  | MULTIPLICATION & DIVISION 1<br>MA1-1WM  | AREA 1<br>MA1-1WM, MA1-10MG                             | AREA 1<br>MA1-1WM, MA1-10MG                             | LENGTH 1<br>MA1-1WM, MA1-3WM, MA1-9MG   |
| 8  | LENGTH 1<br>MA1-1WM, MA1-3WM, MA1-9MG   | VOLUME & CAPACITY 1<br>MA1-1WM, MA1-3WM, MA1-11MG       | VOLUME & CAPACITY 1<br>MA1-1WM, MA1-3WM, MA1-11MG       | CHANCE 1<br>MA1-1WM, MA1-3WM, MA1-18SP<br><br>POSITION 1<br>MA1-1WM, MA1-16MG |
| 9  | CHANCE 1<br>MA1-1WM, MA1-3WM, MA1-18SP<br><br>POSITION 1<br>MA1-1WM, MA1-16MG | FRACTIONS & DECIMALS 1<br>MA1-1WM                       | FRACTIONS & DECIMALS 1<br>MA1-1WM                       | FRACTIONS & DECIMALS 1<br>MA1-1WM   |
| 10 | FRACTIONS & DECIMALS 1<br>MA1-1WM   | DATA 1<br>MA1-1WM, MA1-3WM, MA1-17SP                    | DATA 1<br>MA1-1WM, MA1-3WM, MA1-17SP                    | TIME 1<br>MA1-1WM, MA1-2WM, MA1-13MG  |
| 11 | TIME 1<br>MA1-1WM, MA1-2WM, MA1-13MG  |   |   |   |

# Mathematics Scope & Sequence 2016

School: St Francis Xavier's BELMONT

Stage: 1

Class: Year 2

|    | TERM 1   | TERM 2   | TERM 3   | TERM 4  |
|----|--|--|--|---|
| 1  | <b>WHOLE NUMBER 2</b><br>MA1 – 4NA             | <b>WHOLE NUMBER</b><br>MA1 – 4NA                   | <b>WHOLE NUMBER</b><br>MA1 – 4NA                   | <b>WHOLE NUMBER</b><br>MA1 – 4NA              |
| 2  | <b>WHOLE NUMBER 2</b><br>MA1 – 4NA             | <b>ADDITION AND SUBTRACTION</b><br>MA1 – 5NA       | <b>ADDITION &amp; SUBTRACTION</b><br>MA1 – 5NA     | <b>ADDITION AND SUBTRACTION</b><br>MA1 – 5NA  |
| 3  | <b>PATTERNS AND ALGEBRA 2</b><br>MA1-8NA       | <b>ADDITION AND SUBTRACTION</b><br>MA1 – 5NA Money | <b>ADDITION AND SUBTRACTION</b><br>MA1 – 5NA Money | <b>PATTERNS AND ALGEBRA</b><br>MA1-8NA        |
| 4  | <b>ADDITION AND SUBTRACTION 2</b><br>MA1 – 5NA | <b>PATTERNS AND ALGEBRA</b><br>MA1-8NA             | <b>PATTERNS AND ALGEBRA</b><br>MA1-8NA             | <b>MULTIPLICATION AND DIVISION</b><br>MA1-6NA |
| 5  | <b>MULTIPLICATION AND DIVISION</b><br>MA1-6NA  | <b>MULTIPLICATION &amp; DIVISION</b><br>MA1-6NA    | <b>MULTIPLICATION &amp; DIVISION</b><br>MA1-6NA    | <b>DATA</b><br>MA1-8NA                        |
| 6  | <b>DATA 2</b><br>NA1-17SP                      | <b>MULTIPLICATION &amp; DIVISION</b><br>MA1-6NA    | <b>MULTIPLICATION &amp; DIVISION</b><br>MA1-6NA    | <b>FRACTIONS AND DECIMALS</b><br>MA1- 7NA     |
|    | <b>LENGTH 2</b><br>MA1-9MG                     |  |  |   |
| 7  | <b>VOLUME AND CAPACITY 2</b><br>MA1-11MG       | <b>FRACTIONS AND DECIMALS</b><br>MA1- 7NA          | <b>VOLUME AND CAPACITY</b><br>MA1-11MG             | <b>MASS</b><br>MA1-12MG                       |
|    |  |  |  | <b>TIME</b><br>MA1- 13G                       |
| 8  | <b>FRACTIONS AND DECIMALS 2</b><br>MA1- 7NA    | <b>POSITION</b><br>MA1- 16MG                       | <b>TIME</b><br>MA1- 13G                            | <b>2D SPACE</b><br>MA1- 15MG                  |
|    | <b>TIME</b><br>MA1- 13G                        | <b>2D SPACE</b><br>MA1- 15MG                       |  |   |
| 9  | <b>AREA</b><br>MA1- 10MG                       | <b>TIME</b><br>MA1- 13G                            | <b>LENGTH</b><br>MA1-9MG                           | <b>CHANCE</b><br>MA1-18SP                     |
|    | <b>3D SPACE</b><br>MA1- 15MG                   |  |  |   |
| 10 | <b>CHANCE</b><br>MA1-18SP                      | <b>MASS</b><br>MA1-12MG                            | <b>AREA</b><br>MA1- 10MG                           | <b>POSITION</b><br>MA1- 16MG                  |
|    |  |  | <b>3D SPACE</b><br>MA1- 15MG                       |   |
| 11 | <b>Revision</b>                                |  |  | <b>Revision</b>                               |

# Mathematics Scope and Sequence 2016

School: St Francis Xavier's Belmont

Stage: 2

Class: Year 3

| Week | Term 1  | Term 2  | Term 3  | Term 4  |
|------|---|---|---|---|
| 1    | Whole Numbers <a href="#">MA2-4NA</a><br>(Assessment) | Fractions and Decimals <a href="#">MA2-7NA</a>      | Time <a href="#">MA2-13MG</a>                       | Fractions and Decimals <a href="#">MA2-7NA</a>      |
| 2    | Whole Numbers <a href="#">MA2-4NA</a>                 | Length <a href="#">MA2-9MG</a>                      | Whole Numbers <a href="#">MA2-4NA</a>               | Length <a href="#">MA2-9MG</a>                      |
| 3    | Addition and Subtraction <a href="#">MA2-5NA</a>      | Area <a href="#">MA2-10MG</a><br>NAPLAN WEEK        | Addition and Subtraction <a href="#">MA2-5NA</a>    | Area <a href="#">MA2-10MG</a>                       |
| 4    | Addition and Subtraction <a href="#">MA2-5NA</a>      | Whole Numbers <a href="#">MA2-4NA</a>               | Patterns and Algebra <a href="#">MA2-8NA</a>        | Whole Numbers <a href="#">MA2-4NA</a>               |
| 5    | Patterns and Algebra <a href="#">MA2-8NA</a>          | Addition and Subtraction <a href="#">MA2-5NA</a>    | Multiplication and Division <a href="#">MA2-6NA</a> | Addition and Subtraction <a href="#">MA2-5NA</a>    |
| 6    | Multiplication and Division <a href="#">MA2-6NA</a>   | Multiplication and Division <a href="#">MA2-6NA</a> | Multiplication and Division <a href="#">MA2-6NA</a> | Multiplication and Division <a href="#">MA2-6NA</a> |
| 7    | Multiplication and Division <a href="#">MA2-6NA</a>   | Mass <a href="#">MA2-12MG</a>                       | 3D <a href="#">MA2-14MG</a>                         | Multiplication and Division <a href="#">MA2-6NA</a> |
| 8    | 3D <a href="#">MA2-14MG</a>                           | Chance <a href="#">MA2-19SP</a>                     | 2D <a href="#">MA2-15MG</a>                         | Chance <a href="#">MA2-19SP</a>                     |
| 9    | 2D <a href="#">MA2-15MG</a>                           | Volume and Capacity <a href="#">MA2-11MG</a>        | Position <a href="#">MA2-17MG</a>                   | Volume and Capacity <a href="#">MA2-11MG</a>        |
| 10   | Position <a href="#">MA2-17MG</a>                     | Angles <a href="#">MA2-16MG</a>                     | Data <a href="#">MA2-18SP</a>                       | Angles <a href="#">MA2-16MG</a>                     |
| 11   | Revision  |   |   |   |



|    | TERM 1  | TERM 2  | TERM 3  | TERM 4  |
|----|---|---|---|---|
| 1  | <b>WHOLE NUMBER</b><br>MA2-4NA                | <b>WHOLE NUMBER</b><br>MA2-4NA                | <b>CHANCE</b><br>MA2-19SP                     | <b>LENGTH</b><br>MA2-9MG                      |
| 2  | <b>ADDITION AND SUBTRACTION</b><br>MA2-5NA    | <b>ADDITION AND SUBTRACTION</b><br>MA2-5NA    | <b>ADDITION AND SUBTRACTION</b><br>MA2-5NA    | <b>MULTIPLICATION AND DIVISION</b><br>MA2-6NA |
| 3  | <b>ADDITION AND SUBTRACTION</b><br>MA2-5NA    | <b>MULTIPLICATION AND DIVISION</b><br>MA2-6NA | <b>PATTERNS AND ALGEBRA</b><br>MA2-8NA        | <b>MULTIPLICATION AND DIVISION</b><br>MA2-6NA |
| 4  | <b>MULTIPLICATION AND DIVISION</b><br>MA2-6NA | <b>MULTIPLICATION AND DIVISION</b><br>MA2-6NA | <b>POSITION</b><br>MA2-17MG                   | <b>MASS</b><br>MA2-12MG                       |
| 5  | <b>MULTIPLICATION AND DIVISION</b><br>MA2-6NA | <b>FRACTIONS AND DECIMALS</b><br>MA2-7NA      | <b>3D</b><br>MA2-14MG                         | <b>FRACTIONS AND DECIMALS</b><br>MA2-7NA      |
| 6  | <b>ANGLES</b><br>MA2-16MG                     | <b>MASS</b><br>MA2-12MG                       | <b>MULTIPLICATION AND DIVISION</b><br>MA2-6NA | <b>DATA</b><br>MA2-18SP                       |
| 7  | <b>2D</b><br>MA2-15MG                         | <b>LENGTH</b><br>MA2-9MG                      | <b>MULTIPLICATION AND DIVISION</b><br>MA2-6NA | <b>ADDITION AND SUBTRACTION</b><br>MA2-5NA    |
| 8  | <b>TIME</b><br>MA2-13MG                       | <b>DATA</b><br>MA2-18SP                       | <b>2D</b><br>MA2-15MG                         | <b>TIME</b><br>MA2-13MG                       |
| 9  | <b>3 D</b><br>MA2-14MG                        | <b>VOLUME AND CAPACITY</b><br>MA2-11MG        | <b>AREA</b><br>MA2-10MG                       | <b>VOLUME AND CAPACITY</b><br>MA2-11MG        |
| 10 | <b>AREA</b><br>MA2-10MG                       | <b>POSITION</b><br>MA2-17MG                   | <b>ANGLES</b><br>MA2-16MG                     | <b>CHANCE</b><br>MA2-19SP                     |
| 11 | <b>PATTERNS AND ALGEBRA</b><br>MA2-8NA        |   |   |   |

|    | TERM 1   | TERM 2   | TERM 3  | TERM 4   |
|----|--|--|---|--|
| 1  | ONE SCHOOL DAY ONLY  | AREA 1<br>MA3-1WM, MA3-10MG  | PATTERNS AND ALGEBRA<br>MA3-1WM, MA3-2WM, MA3-3WM, MA3-8Na  | WHOLE NUMBERS 1<br>MA3-1WM, MA3-2WM, MA3-4NA                   |
| 2  | WHOLE NUMBERS 1<br>MA3-1WM, MA3-2WM, MA3-4NA                   | Statistics and Probability - CHANCE 1<br>MA3-1WM, MA3-19SP<br>Statistics and Probability -DATA 1<br>MA3-1WM, MA3-3WM, MA3-18SP | SUBTRACTION 1<br>MA3-1WM, MA3-2WM, MA3-3WM, MA3-5NA   | ADDITION 1<br>MA3-1WM, MA3-2WM, MA3-3WM, MA3-5NA               |
| 3  | ADDITION 1<br>MA3-1WM, MA3-2WM, MA3-3WM, MA3-5NA               | NAPLAN   | MULTIPLICATION 1<br>MA3-1WM, MA3-2WM, MA3-3WM, MA3-6NA  | SUBTRACTION 1<br>MA3-1WM, MA3-2WM, MA3-3WM, MA3-5NA            |
| 4  | SUBTRACTION 1<br>MA3-1WM, MA3-2WM, MA3-3WM, MA3-5NA            | VOLUME AND CAPACITY 1<br>MA3-1WM, MA3-3WM, MA3-11MG  | DIVISION 1<br>MA3-1WM, MA3-2WM, MA3-3WM, MA3-6NA  | MULTIPLICATION 1<br>MA3-1WM, MA3-2WM, MA3-3WM, MA3-6NA         |
| 5  | PATTERNS AND ALGEBRA 1<br>MA3-1WM, MA3-2WM, MA3-3WM, MA3-8Na   | TWO DIMENSIONAL SPACE 1<br>MA3-1WM, MA3-2WM, MA3-3WM, MA3-15MG   | FRACTIONS AND DECIMALS 1<br>MA3-1WM, MA3-2WM, MA3-3WM, MA3-7NA  | DIVISION 1<br>MA3-1WM, MA3-2WM, MA3-3WM, MA3-6NA               |
| 6  | MULTIPLICATION 1<br>MA3-1WM, MA3-2WM, MA3-3WM, MA3-6NA         | THREE DIMENSIONAL SPACE 1<br>MA3-1WM, MA3-3WM, MA3-14MG  | LENGTH 1<br>MA3-1WM, MA3-3WM, MA3-9MG   | TIME 1<br>MA3-1WM, MA3-13MG                                    |
| 7  | DIVISION 1<br>MA3-1WM, MA3-2WM, MA3-3WM, MA3-6NA               | MASS 1<br>MA3-1WM, MA3-2WM, MA3-12MG   | AREA 1<br>MA3-1WM, MA3-10MG   | ANGLES 1<br>MA3-1WM, MA3-16MG                                  |
| 8  | FRACTIONS AND DECIMALS 1<br>MA3-1WM, MA3-2WM, MA3-3WM, MA3-7NA | WHOLE NUMBERS 1<br>MA3-1WM, MA3-2WM, MA3-4NA   | VOLUME AND CAPACITY 1<br>MA3-1WM, MA3-3WM, MA3-11MG   | TWO DIMENSIONAL SPACE 1<br>MA3-1WM, MA3-2WM, MA3-3WM, MA3-15MG |
| 9  | LENGTH 1<br>MA3-1WM, MA3-3WM, MA3-9MG                          | TIME 1<br>MA3-1WM, MA3-13MG<br>POSITION<br>MA3-1WM, MA3-17MG   | MASS 1<br>MA3-1WM, MA3-2WM, MA3-12MG  | THREE DIMENSIONAL SPACE 1<br>MA3-1WM, MA3-3WM, MA3-14MG        |
| 10 | AREA 1<br>MA3-1WM, MA3-10MG                                    | ADDITION 1<br>MA3-1WM, MA3-2WM, MA3-3WM, MA3-5NA   | Statistics and Probability - CHANCE 1<br>MA3-1WM, MA3-19SP<br>Statistics and Probability - DATA 1<br>MA3-1WM, MA3-3WM, MA3-18SP | POSITION<br>MA3-1WM, MA3-17MG                                  |
| 11 | ANGLES 1<br>MA3-1WM, MA3-16MG                                  |  |   | REVISION   |

|    | TERM 1  | TERM 2   |                     | TERM 3  | TERM 4   |
|----|---|--|---------------------|---|--|
| 1  | Whole Number 2<br>MA3-NA                                | Whole Number 2<br>MA3-NA                           |                     | Whole Number 2<br>MA3-NA                                | Whole Number 2<br>MA3-NA   |
| 2  | Whole Number 2<br>MA3-NA                                | Addition and Subtraction 2<br>-Decimals<br>MA3-7NA |                     | Addition and Subtraction 2<br>MA3-5NA                   | Addition and Subtraction 2<br>MA3-5NA                              |
| 3  | Addition and Subtraction 2<br>Whole Number 2<br>MA3-5NA | Fractions and Decimals 2<br>MA3-7NA                |                     | Fractions and Decimals 2<br>MA3-7NA                     | Length<br>MA3-9MG  |
| 4  | Fractions and Decimals 2<br>MA3-7NA                     | Volume and Capacity 2<br>MA3-11MG                  |                     | Patterns and Algebra 2<br>MA3-8NA                       | Patterns and Algebra 2<br>MA3-8NA                                  |
| 5  | Patterns and Algebra 2<br>MA3-8NA                       | Multiplication and Division 2<br>MA3-6NA           |                     | Multiplication and Division 2<br>-Decimals 2<br>MA3-7NA | Multiplication and Division 2<br>-Length MA3-9MG<br>-Area MA3-10MG |
| 6  | Multiplication and Division 2<br>MA3-6NA                | Patterns and Algebra 2<br>MA3-8NA                  |                     | Volume and Capacity 2<br>MA3-11MG                       | Time 2<br>MA3-13MG   |
| 7  | Mass 2<br>MA3-12MG                                      | Length 2 MA3-9MG<br>Area 2 MA3-14MG                |                     | Mass 2<br>MA3-12MG                                      | Chance 2<br>MA3-19SP   |
| 8  | Data 2<br>MA3-18SP                                      | Position 2<br>MA3-17MG                             |                     | Angles 2 MA3-15MG<br>2D Space 2 MA3-16MG                | Position 2<br>MA3-17MG   |
| 9  | Angles 2 MA3-15MG<br>2DSpace 2 MA3-16MG                 | Chance 2<br>MA3-18SP                               |                     | Data 2<br>MA3-18SP                                      | REVISION   |
| 10 | Time 2<br>MA3-13MG                                      | Fractions and Decimals 2<br>MA3-7NA                | Chance 2<br>MA3-7NA | 3D Space 2<br>MA3-10MG                                  | REVISION   |
| 11 | 3D Space 2 MA3-10MG<br>Area 2 MA3-14MG                  |  |                     |   |  |

## Maths Resources K-6

|          | <b>Numbers<br/>and<br/>Algebra</b>  | <b>Measurement<br/>and<br/>Geometry</b>   | <b>Statistics<br/>and<br/>Probability</b>                                 | <b>General</b>   |
|----------|---|---|---|--|
| <b>K</b> | Counters<br>Objects<br>Unifix cubes<br>MAB blocks<br>Games<br>100's chart<br>Number line<br>Dice  | 3D Objects<br>2D shapes<br>Geoboards<br>Geoshapes<br>Scales<br>Kitchen items for Volume<br>and Capacity<br>Objects to measure length<br>and area        | Dice<br>Counters<br>Games   | Mathematics Teaching Resource K-6<br>DENS<br>NSW Mathematics Syllabus K-6<br>Studyladder<br>Rainforest Maths<br>Elk2<br>Numeracy Continuum   |
| <b>1</b> | Number lines/Metre Rule<br>Counters<br>MAB<br>Hundreds charts<br>Unifix Cubes<br>Dice<br>Paddle Pop Sticks<br>Dominoes<br>Numeral flash cards<br>Tens frames<br>Numeral Expander<br>Subitising Flash Cards<br>Plastic money | 3D Shapes<br>2D Shapes<br>Geoshapes<br>Geoboard<br>Brenex<br>Clocks<br>Pan Scales<br>Containers to measure<br>volume and capacity                       | Dice<br>Coins<br>Cards<br>Spinners  | Websites- nrich, topmarks, mindset, Woodlands,<br>Getsmart, Studyladder, MTS Online<br>Maths Box<br>Whiteboards<br>K-6 Maths Syllabus<br>Mathematics Teaching Resource k-6 (two books) |
| <b>2</b> | Number lines<br>Counters<br>MAB<br>Dice<br>Hundreds chart<br>Number Expanders<br>Place Value Charts<br>Unifix Cubes   | Various sized containers<br>Scales<br>Metre ruler<br>Large Clock<br>Small clock cards<br>Unifix cubes<br>3D Shapes- foam, plastic,<br>wood<br>2D Shapes | Dice<br>Counters<br>Spinners<br>Cards<br>Plastic attribute teddy<br>bears | Super Teacher Worksheets Website<br>whiteboard<br>Math Box<br>MTS Online<br>Studyladder<br>Topmarks<br>NRich   |

|          |   |  |   |  |
|----------|---|--|---|--|
| <b>3</b> | <p>Playing cards</p> <p>Dice</p> <p>Hundreds charts</p> <p>MAB</p> <p>Whiteboards</p> <p>Calculator</p> <p>Ones, tens and hundreds cards</p> <p>Samples of arrays</p> | <p>Grid sheets</p> <p>1m ruler</p> <p>30cm ruler</p> <p>String</p> <p>Centicubes</p> <p>Brennex Paper</p> <p>Variety of Measuring containers</p> | <p>Examples of picture graphs and column graphs</p> <p>Grid paper</p> | <p>Maths Box</p> <p>MSONline</p> <p>Studyladder</p>  |
| <b>4</b> | <p>Playing cards</p> <p>Dice</p> <p>MAB</p> <p>Hundreds chart</p>   | <p>Protractor</p>  | <p>Spinners</p>   | <p>Maths Box</p> <p>MSONline</p> <p>Studyladder</p> <p>Echalk</p>  |
| <b>5</b> | <p>Playing cards</p> <p>Dice</p> <p>MAB</p> <p>Hundreds chart</p> <p>Calculator</p> <p>Number lines</p>   | <p>Ruler</p> <p>Trundle wheel</p> <p>Protractor</p> <p>Various sized containers</p>  | <p>Spinners</p> <p>Dice</p>   | <p>Maths Box Aqua</p> <p>Maths is Fun website</p> <p>Matific</p> <p>nRich Maths</p> <p>Maths Plus 5</p> <p>Tablets</p> <p>Counters</p> |
| <b>6</b> | <p>Playing cards</p> <p>Dice</p> <p>MAB</p> <p>Hundreds chart</p> <p>Calculator</p> <p>Number lines</p>   | <p>Ruler</p> <p>Trundle wheel</p> <p>Protractor</p> <p>Various sized containers</p>  | <p>Spinners</p> <p>Dice</p>   | <p>Maths Box Aqua</p> <p>Maths is Fun website</p> <p>Matific</p> <p>nRich Maths</p> <p>Maths Plus 6</p> <p>Tablets</p> <p>Counters</p> |

