

# Grade 4 Mathematics Curriculum

## Outcomes that are number dependant

### Number Outcomes

(they need to be differentiated through a progression)

N1- Represent and describe whole numbers to 10 000.

N2- Compare and order numbers to 10 000

N3- Demonstrate an understanding of addition of numbers with answers to 10 000

N5- Describe and apply mental mathematics strategies to determine basic multiplication facts to 9x9 and related division facts.

N6- Demonstrate an understanding of multiplication ( 2-digit or 3-digit by 1-digit) to solve problems

N7- Demonstrate an understanding of division (1-digit divisor and up to 2-digit dividend) to solve problems

N8- Demonstrate an understanding of fractions less than or equal to one.

N9- Describe and represent decimals

N10- Relate decimals to fractions

N11- Demonstrate an understanding of addition and subtraction of decimal

### Other outcomes

(can use numbers appropriate to students)

N4- Explain the properties of 0 and 1 for multiplication and the property of 1 for division.

PR1- Identify and describe patterns found in tables and charts, including a multiplication chart.

PR4- Identify and explain mathematical relationships using charts and diagrams to solve problems.

PR5- Express a given problem as an equation in which a symbol is used to represent an unknown number.

PR6- Solve one-step equations involving a symbol to represent an unknown number.

SS1- Read and record time using digital and analog clocks.

SS3- Demonstrate an understanding of area of regular and irregular 2D shapes.

SP1- Demonstrate an understanding of many to one correspondence.

SP2- Construct and interpret pictographs and bar graphs involving many to one correspondence to draw conclusion

## Outcomes that are not number dependant.

SS2- Read and record calendar dates in a variety of formats.

SS4- Describe and construct rectangular and triangular prisms

SS5- Demonstrate an understanding of line of symmetry