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School Curriculum
and Standards
Authority

The Authority

Kindergarten to Year 10

Years 11 and 12

Student

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Year 5 SyllabusTest

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Year Level Description

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- ☒ Year level descriptors
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Year Levels

- ☒ Select All

Strands

- ☒ Select All
- ☒ Statistics and Probability
- ☒ Measurement and Geometry
- ☒ Number and Algebra

General Capabilities

- ☒ Select All
- ☒ Literacy
- ☒ Numeracy
- ☒ Information and Communication Technology (ICT) capability

Year 5 Syllab

Year Level Descri

The proficiency str
reasoning are an i
strands: number an
probability. The pro
within the content a
provide the languag
mathematics. The a
proficiencies.

At this year level:

- **understanding**
numbers, using f
fractions and dec
transformations a
- **fluency** includes
perimeter and ar
calculations and
- **problem-solving**
whole numbers a
- **reasoning** includ
continuing patter
chance experime
interpreting data

- ✔ Critical and creative thinking
 - ✔ Personal and social capability
 - ✔ Ethical understanding
 - ✔ Intercultural understanding
-
-


Number and Algebra

NUMBER AND PLACE VALUE

Identify and describe factors and multiples of whole numbers and use them to solve problems
([ACMNA098](#))

 Literacy

 Numeracy

 Critical and creative thinking

Use estimation and rounding to check the reasonableness of answers to calculations
([ACMNA099](#))


 Numeracy


Solve problems involving multiplication of large numbers by one- or two-digit numbers using efficient mental, written strategies and

appropriate digital
technologies
([ACMNA100](#))

 Literacy

 Numeracy


 Information and
Communication Techno
(ICT) capability

 Critical and creativ
thinking

Solve problems invol
division by a one di
number, including t
that result in a
remainder ([ACMNA](#)

 Literacy


 Numeracy

 Critical and creativ
thinking

Use efficient menta
written strategies a
apply appropriate c
technologies to solv
problems ([ACMNA2](#)

 Literacy

 Numeracy

 Critical and creative thinking

FRACTIONS AND DECIMALS


Compare and order fractions with a common unit fraction and locate and represent them on a number line
([ACMNA102](#))

 Numeracy

Investigate strategies to solve problems involving addition and subtraction of fractions with the same denominator
([ACMNA103](#))

 Literacy

 Numeracy

 Critical and creative thinking

Recognise that the base ten value system can be extended beyond hundreds
hundredths ([ACMNA104](#))

 Numeracy

Compare, order and represent decimals
([ACMNA105](#))


 Numeracy

MONEY AND FINANCIAL MATHEMATICS

Create simple financial plans ([ACMNA106](#))

 Literacy

 Numeracy


 Critical and creative thinking

PATTERNS AND ALGEBRA

Describe, continue and create patterns with fractions, decimals and whole numbers resulting from addition and subtraction ([ACMNA107](#))

 Literacy

 Numeracy

 Critical and creative thinking

Find unknown quantities in number sentences involving multiplication and division and identify equivalent number sentences involving multiplication and division ([ACMNA12:1](#))

 Numeracy

Year 5 Achievement

Number and Algebra

At Standard, students solve problems involving the reasonableness and unit fractions and fractions with the same denominator. Students continue to identify and explain problems involving the four operations.

Measurement and Geometry

Students use appropriate units to measure length and mass, and calculate area and 24-hour time. Students

dimensional representations and identify shapes and identify the coordinate system to locate locations.

Statistics and Probability

Students interpret data displays with equally likely categories and pose questions to generate data.

The proficiency strands **understanding, fluency, problem-solving** are developed across the three content strands: number and algebra, geometry, and statistics and probability. These proficiencies reinforce the significance of working mathematically and are developed. They provide the language to build in the development of mathematical proficiency. The achievement standards reflect the content and encompass the proficiencies.

At this year level:

- **understanding** includes making connections between representations, comparing and ordering fractions and decimals and representing data, identifying line and rotational symmetry
- **fluency** includes choosing appropriate units of measurement, estimating the reasonableness of answers to calculations and using instruments
- **problem-solving** includes formulating and solving authentic problems, creating financial plans
- **reasoning** includes investigating strategies to perform calculations with fractions and decimals, interpreting results of chance experiments, posing questions to generate data sets.

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