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School Curriculum
and Standards
Authority

The Authority

Kindergarten to Year 10

Years 11 and 12

Student

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[Teaching](#) ▾

[Assessing](#) ▾

[Policy](#) ▾

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You are here > [K-10 Outline](#) > [Teaching](#) > [Western Australian Curri](#)

Year 6 SyllabusTest

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Year Level Description

Filters



Show/Hide Curriculum

- Year level descriptors
- Content Descriptions
- Achievements Standards
- Icons

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 6 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** fractions and dec
decimals in vario
reasonable estim
- **fluency** includes percentages, usi
decimals, using c
using metric unit
- **problem-solving** fractions, decima
displays and find
- **reasoning** includ
describing result:
transformation of
chance experime

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

Number and Algebra

NUMBER AND PLACE VALUE

Identify and describe properties of prime composite, square and triangular numbers
[\(ACMNA122\)](#)


 Literacy


 Numeracy

Select and apply effective mental and written strategies and appropriate digital technologies to solve problems involving four operations with whole numbers
[\(ACMNA123\)](#)

 Literacy


 Numeracy

 Information and Communication Technology (ICT) capability

 Critical and creative thinking

Investigate everyday situations that use integers. Locate and represent these numbers on a number line
[\(ACMNA124\)](#)

 Numeracy

 Critical and creative thinking


FRACTIONS AND DECIMALS

Compare fractions with related denominators and locate and represent them on a number line
[\(ACMNA125\)](#)

 Numeracy


Solve problems involving addition and subtraction of fractions with the same or related denominators
[\(ACMNA126\)](#)

 Numeracy

 Critical and creative thinking


Find a simple fraction of a quantity where the result is a whole number with and without digital technologies
[\(ACMNA127\)](#)

 Numeracy

 Information and Communication Technology (ICT) capability

Add and subtract decimals, with and without digital technologies, and use estimation and rounding to check the reasonableness of answers [\(ACMNA12\)](#)


 Numeracy

 Information and Communication Technology (ICT) capability

Multiply decimals by whole numbers and perform divisions by zero whole number where the results are terminating decimals with and without digital technologies

[\(ACMNA129\)](#)

 Numeracy

 Information and Communication Technology (ICT) capability

Multiply and divide decimals by powers of 10

[\(ACMNA130\)](#)

 Numeracy

Make connections between equivalent fractions, decimals and percentages

[\(ACMNA131\)](#)


 Numeracy


MONEY AND FINANCIAL MATHEMATICS

Investigate and calculate the percentage discount for 10%, 25% and 50% sale items, with and without digital technologies
[\(ACMNA132\)](#)

 Literacy

 Numeracy

 Information and Communication Technology (ICT) capability


 Critical and creative thinking

PATTERNS AND ALGEBRA

Continue and create sequences involving whole numbers, fractions and decimals. Describe the rule used to create the sequence
[\(ACMNA133\)](#)

 Literacy

 Numeracy

 Critical and creative thinking

Explore the use of brackets and order operations to write number sentences ([ACMNA134](#))

 Numeracy

Year 6 Achievement

Number and Algebra

At Standard, students understand triangular numbers. Students solve problems involving locate fractions and the addition and subtraction of a quantity. Students understand representations of 10 and the multiplication of decimals and common percentages. Students understand sequences involving number sentences.

Measurement and Geometry

Students connect and use appropriate units of

between capacity a
They interpret time
describe combinati
properties of angles
the Cartesian plane

Statistics and Pro

Students compare
using simple fractio
variety of data disp
interpret secondary

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

At this year level:

- **understanding** includes describing properties of different sets, probabilities, representing fractions and decimals in various ways, reasonable estimations
- **fluency** includes representing integers on a number line, calculating, converting between fractions and decimals, using operations, metric units and interpreting timetables
- **problem-solving** includes formulating and solving authentic problems, measurements, interpreting secondary data displays and financial

- **reasoning** includes explaining mental strategies for perform sequences, explaining the transformation of one shape into a experiments may differ from expected results.

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