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School Curriculum
and Standards
Authority

The Authority

Kindergarten to Year 10

Years 11 and 12

Student

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[Home](#)

[Principles](#) ▾

[Teaching](#) ▾

[Assessing](#) ▾

[Policy](#) ▾

[Re](#)

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

Year 4 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 4 Syllabus

Year Level Descriptions

The proficiency strands of **number and algebra**, **measurement and geometry**, **statistics and probability** and **reasoning** are an integral part of the mathematics curriculum. The proficiency strands provide the language and context for the content and skills of mathematics. The proficiency strands provide the language and context for the content and skills of mathematics. The proficiency strands provide the language and context for the content and skills of mathematics.

At this year level:

- **understanding** includes understanding numbers, part-whole relationships, decimals, using area and volume properties of symmetry
- **fluency** includes fluency with simple fractions, shapes and their properties
- **problem-solving** includes problem-solving situations involving comparing time and length
- **reasoning** includes reasoning with calculations, deriving and comparing angles, and evaluating the application of mathematical concepts

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

Number and Algebra

NUMBER AND PLACE VALUE

Investigate and use properties of odd and even numbers

[\(ACMNA071\)](#)

 Numeracy

Recognise, represent and order numbers to at least of thousands

[\(ACMNA072\)](#)

 Literacy


 Numeracy

Apply place value to partition, rearrange regroup numbers to least tens of thousands to assist calculation solve problems

[\(ACMNA073\)](#)

 Literacy

 Numeracy

 Critical and creative thinking

Investigate number sequences involving multiples of 3, 4, 6, and 9 ([ACMNA074](#))

 Numeracy


Recall multiplication facts up to 10×10 related division facts ([ACMNA075](#))

 Numeracy

Develop efficient mental and written strategies and use appropriate digital technologies for multiplication and division where there is no remainder ([ACMNA076](#))

 Literacy

 Numeracy

 Information and Communication Technology


(ICT) capability

FRACTIONS AND DECIMALS

Investigate equivalent fractions used in contexts ([ACMNA077](#))

 Literacy

 Numeracy


 Critical and creative thinking

Count by quarters, halves and thirds, including mixed numerals. Locate and represent these fractions on a number line ([ACMNA078](#))

 Numeracy

Recognise that the decimal value system can be extended to tenths and hundredths. Make connections between fractions and decimal notation ([ACMNA079](#))

 Numeracy

 Critical and creative thinking


MONEY AND FINANCIAL MATHEMATICS


Solve problems involving purchases and the calculation of change to the nearest five cents with and without digital technologies

[\(ACMNA080\)](#)

 Literacy

 Numeracy

 Information and Communication Technology (ICT) capability


 Critical and creative thinking

PATTERNS AND ALGEBRA

Explore and describe number patterns resulting from performing multiplication

[\(ACMNA081\)](#)

 Numeracy


 Critical and creative thinking

Solve word problems using number sentences involving multiplication or division where there is no remainder

[\(ACMNA082\)](#)

 Literacy

 Numeracy

 Critical and creative thinking

Find unknown quantities in number sentences involving addition and subtraction and identify equivalent number sentences involving addition and subtraction

[\(ACMNA083\)](#)

 Numeracy

Year 4 Achievement

Number and Algebra

At Standard, students use multiplication facts and sequences involving strategies for calculating familiar fractions or familiar contexts and to two decimal places. Number patterns and strategies for finding

Measurement and

Students use scaled objects. They compare. Students solve problems. Students interpret shapes and patterns.

Statistics and Probability

Students list the probabilities of independent events. representation and given or collected data.

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 making connections between representations flexibly, extending place value to decimals, using appropriate symmetrical shapes
- **fluency** includes recalling multiplication tables, communicating accurately, creating patterns with shapes and their transformations
- **problem-solving** includes formulating, modelling and recording numbers with each other, comparing time durations and using
- **reasoning** includes using generalising from number properties, multiplication and division tasks, comparing angles, communicating the appropriateness of different displays.

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