Downloaded from
https://k10outline.scsa.wa.edu.au/home/teaching/curriculum-browser/mathematics-v8/year-8 on 22/07/2024 check website for latest version.


Home Principles $\vee$ Teaching $\vee$ Assessing $\vee$ Policy $\vee ~ R e$

You are here > K-10 Outline > Teaching > Western Australian Curri

## Year 8 SyllabusTest

## Download Curriculum as PDF

## Filters

## Year 8 Syllak

## Year Level Descri

Show/Hide Curriculum
$\nabla_{\nabla}$ Year level descriptors
$\nabla^{\square}$ Content Descriptions
$\sqrt{\nabla}$ Achievements Standards
$\sqrt{6}$ Icons

Year Levels

Select All

Strands
$\sqrt{\nabla}$ Select All
$\sqrt{ } \sqrt{ }$ Statistics and Probability
$\sqrt{\nabla}$ Measurement and Geometry
$\sqrt{\nabla}$ Number and Algebra

General Capabilities
$\sqrt{V}$ Select All
$\sqrt{\nabla}$ Literacy
$\sqrt{\square}$ Numeracy
$\sqrt{\nabla}$ Information and Communication Technology (ICT) capability

The proficiency stra reasoning are an i strands: number ar probability. The prc within the content : provide the langua! mathematics. The a proficiencies.

At this year level:

- understanding decimals, identif! arithmetic, connt purpose of statis area
- fluency includes integers; recogni recurring decima evaluating perim dimensional obje
- problem-solvin involving ratios, । using two-way ta
- reasoning inclur reasonable, deriu

Critical and creative thinking
Personal and social capability
Ethical understanding

Intercultural understanding
deduce propertie populations.

## Number and Algebra

Carry out the four operations with rati numbers and integı using efficient men and written strateg and appropriate dic technologies
(ACMNA183)

田- Numeracy

- $\dot{x}$ Information and

Communication Techr
(ICT) capability

Investigate termina and recurring decin （ACMNA184）

揊 Numeracy

Investigate the con of irrational numbe including $\pi$（ACMNA

䀦 Numeracy

Solve problems inv the use of percenta including percentas increases and decr with and without di technologies （ACMNA187）

目 Literacy
败 Numeracy
： $\mathfrak{x}$ Information and
Communication Techr （ICT）capability
© Critical and creativ thinking

Solve a range of
problems involving and ratios，with anc without digital technologies （ACMNA188）

目 Literacy
畮 Numeracy
： $\mathfrak{x}$ Information and
Communication Techr （ICT）capability
© Critical and creativ thinking

MONEY AND FINANCIA MATHEMATICS

Solve problems inv， profit and loss，witr without digital technologies （ACMNA189）

目 Literacy
舶 Numeracy
：$\times$ Information and
Communication Techr
（ICT）capability
© Critical and creativ thinking

Simplify algebraic expressions involvi｜ four operations （ACMNA192）

畋 Numeracy

## LINEAR AND NON－LINE RELATIONSHIPS

Plot linear relations on the Cartesian pli with and without th of digital technolog （ACMNA193）

䀦- Numeracy

- $\mathcal{F}$ Information and

Communication Techr (ICT) capability

Solve linear equatic using algebraic anc graphical technique Verify solutions by substitution (ACMN

䀦- Numeracy
©: Critical and creativ thinking

## Year 8 Achieven

Number and Alge
At Standard, studer percentages. They describe rational ar loss. Students makı expressions. They 1 operations with int solve linear equatic

Students solve prok duration in real apr triangles and deduc measurement for a perimeter and area of circles and calcu

## Statistics and Prc

Students model aut choose appropriate issues related to th medians in that dat and calculate the sı

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

At this year level:

- understanding includes describing patterns involving indicє operations with algebra and arithmetic, connecting rules for statistical measures and explaining measurements of perime
- fluency includes calculating accurately with simple decimals decimals and fractions including recurring decimals; factorisi perimeters and areas of common shapes and volumes of thrt
- problem-solving includes formulating and modelling practi، perimeters of common shapes and using two-way tables and
- reasoning includes justifying the result of a calculation or es complement, using congruence to deduce properties of trian


## Principles

Teaching
Assessing
Policy
Resources

## Subscribe to our monthly K-10 Circular

## wa.gov.au ®

