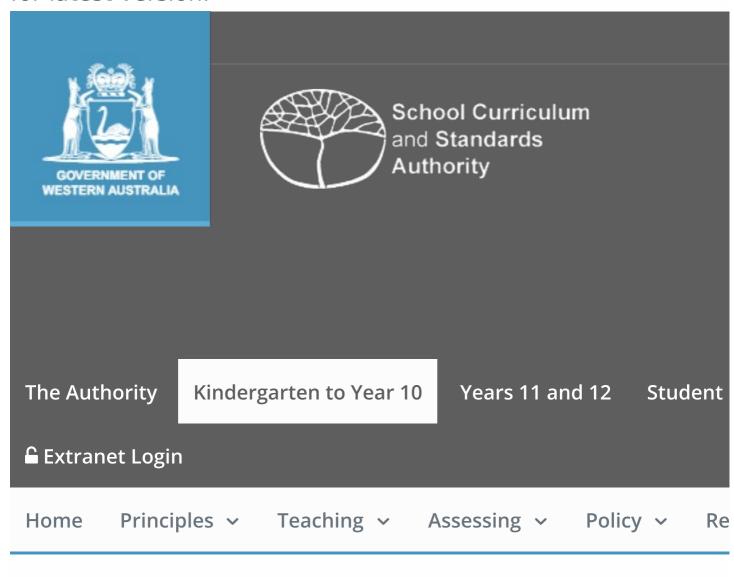
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Year 8 SyllabusTest

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Year Level Description

Filters



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- ▼ 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 8 Syllak

Year Level Descri

reasoning are an istrands: number an probability. The prowithin the content approvide the language mathematics. The approficiencies.

At this year level:

- understanding
 decimals, identify
 arithmetic, conne
 purpose of statist
 area
- fluency includes integers; recogni recurring decima evaluating perim dimensional obje
- problem-solving involving ratios, problem-solving using two-way ta
- reasoning included reasonable, derived

- Critical and creative thinking
- □ Personal and social capability
- **□** Ethical understanding
- □ Intercultural understanding

deduce propertie populations.

Number and Algebra

NUMBER AND PLACE V.

Use index notation numbers to establis index laws with pos integral indices and zero index (ACMNA)

Numeracy

Carry out the four operations with ratinumbers and integer using efficient menand written strategrand appropriate dig technologies (ACMNA183)

Numeracy

Information and Communication Techr (ICT) capability

REAL NUMBERS

Investigate termina and recurring decin (ACMNA184)

Numeracy

Investigate the con of irrational numbe including π (ACMNA

Numeracy

Solve problems invente use of percental including percentage increases and decrewith and without ditechnologies (ACMNA187)

■ Literacy

Numeracy

Information and Communication Techr (ICT) capability

Critical and creative thinking

Solve a range of

problems involving and ratios, with and without digital technologies (ACMNA188)

■ Literacy

Numeracy

Information and Communication Techr (ICT) capability

Critical and creative thinking

MONEY AND FINANCIA MATHEMATICS

Solve problems inversely profit and loss, with without digital technologies (ACMNA189)

Literacy

Numeracy

Information and Communication Techr (ICT) capability

Critical and creative thinking

PATTERNS AND ALGEBI

Extend and apply the distributive law to the expansion of algebra expressions (ACMN)

Numeracy

Factorise algebraic expressions by identifying numeric factors (ACMNA191

Numeracy

Simplify algebraic expressions involving four operations (ACMNA192)

Numeracy

LINEAR AND NON-LINE RELATIONSHIPS

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

Numeracy Numeracy

Information and Communication Techr (ICT) capability

Solve linear equation using algebraic and graphical technique Verify solutions by substitution (ACMN.

Numeracy

Critical and creative thinking

Year 8 Achieven

Number and Alge

At Standard, studer percentages. They describe rational ar loss. Students make expressions. They upperations with intesolve linear equatic

Measurement and

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

Statistics and Pro

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

The proficiency strands **understanding**, **fluency**, **problem-s** 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 developed achievement standards reflect the content and encompass the

At this year level:

- understanding includes describing patterns involving indice 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 three

•	perimeters of common shapes and using two-way tables and
<u>Te</u> <u>As</u> <u>Po</u>	rinciples eaching essessing olicy essources

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