

Downloaded from

<https://k10outline.scsa.wa.edu.au/home/teaching/curriculum-browser/mathematics-v8/year-10a-syllabus> on 24/04/2024  
check website for latest version.



School Curriculum  
and Standards  
Authority

The Authority

Kindergarten to Year 10

Years 11 and 12

Student

 Extranet Login

[Home](#)

[Principles](#) ▾

[Teaching](#) ▾

[Assessing](#) ▾

[Policy](#) ▾

[Re](#)

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

# Year 10A SyllabusTest

[Download Curriculum as PDF](#)

## 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 10A Syl



## Number and Algebra

### REAL NUMBERS

Define rational and irrational numbers , perform operations surds and fractiona indices [\(ACMNA264](#)

-  Numeracy
-  Critical and creativ thinking

Use the definition o logarithm to establi and apply the laws logarithms [\(ACMNA](#)

-  Numeracy
-  Critical and creativ thinking


### PATTERNS AND ALGEBI

Investigate the con

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

of a polynomial and apply the factor and remainder theorem solve problems  
[\(ACMNA266\)](#)

 Numeracy


 Critical and creative thinking

## LINEAR AND NON-LINE RELATIONSHIPS

---


Describe, interpret sketch parabolas, hyperbolas, circles exponential function and their transformations  
[\(ACMNA267\)](#)

 Numeracy

 Critical and creative thinking


Solve simple exponential equations [\(ACMNA268\)](#)

 Numeracy

 Critical and creative thinking


Apply understanding of polynomials to sketch a range of curves and describe the features of these curves from their equation ([ACMNA269](#))

 Numeracy

 Critical and creative thinking

Factorise monic and non-monic quadratic expressions and solve a wide range of quadratic equations derived from a variety of contexts ([ACMNA269](#))

 Numeracy

 Critical and creative thinking

---

## Achievement standard

To be developed using through paired comparison

[Principles](#)

[Teaching](#)

[Assessing](#)

[Policy](#)

[Resources](#)

**Subscribe to our monthly K–10 Circular**

wa.gov.au 