

School administrators, Heads of Learning Area – Science and Technologies and teachers of Engineering Studies ATAR Year 12 are requested to note for 2026 the following minor syllabus changes. The syllabus is labelled as 'For teaching from 2026'.

Syllabus changes

The content identified by ~~strike through~~ has been deleted from the syllabus and the content identified in *italics* has been revised in the syllabus for teaching from 2026.

For teaching from 2026

Unit 3

Mechanical

Materials

- stress-strain graphs
 - recognise and analyse stress-strain graphs for
 - ~~ABS~~
 - copper
 - mild steel
 - stainless steel

Unit 4

Fundamental engineering calculations

Mechanisms

- rack and pinion
 - $distance\ moved = \frac{n^o\ teeth\ pinion \times n^o\ revolutions}{n^o\ teeth\ per\ metre\ rack}$
 - lead screw
 - single start
 - $distance\ moved = pitch \times revolutions$
 - multiple start
 - ~~lead~~($distance\ moved$) = $n^o\ starts \times pitch \times revolutions$