

Scientific calculator list

General Senior Syllabus external assessment

Purpose

To provide teachers and students with an up-to-date description of the types of calculators that may and may not be used by students sitting a General Senior Syllabus summative external assessment that permits the use of a scientific calculator.

Background

Summative external assessment items are developed on the basis that the type of calculator used should not advantage one student over another. Calculators with graphics capability, a computer algebra system (CAS), spellchecker, dictionary, thesaurus or translator features could:

- provide an advantage to students using them
- prohibit the proper testing of some subject matter or assessment objectives.

Approved calculators

Calculators used by students in the summative external assessment must be handheld and solar or battery powered.

Below is a list of calculators approved for use in General Senior Syllabus summative external assessments that permit the use of a scientific calculator.

Approved scientific calculator list

Brand	Models
ABACUS	SXIIIMATRIXa SXII-MATRIXn
CANON	F717SGA F-720 F-720i
CASIO	fx-82AU fx-82AU PLUS fx-82AU PLUS II fx-82AU PLUS II 2 nd Edition fx-82MS fx-82TL fx-83WA fx-85MS fx-100AU fx-100AU PLUS fx-100AU PLUS 2 nd Edition fx-100S fx-300MS fx-350MS fx-911Z

Brand	Models
HEWLETT-PACKARD (HP)	HP 8s HP 10s HP 10s+
SCHOLAR	DS-82MS KD-350MS D1-5 SC-150MX SC-250MX
SHARP	EL-509V EL-509WM EL-520WG EL-531TH EL-531VH EL-531WH EL-531X EL-531XH EL-W531HA EL-W532THBW EL-W532XH
TEXAS INSTRUMENTS (TI)	TI-30XB MultiView

Other calculators

Any calculator not listed above may be used as long as it meets the requirements listed below.

Features that are permitted

Calculators should be able to perform addition, subtraction, multiplication, division, square roots and powers. Scientific calculators also typically have access to the following features:

- trigonometric functions and inverse
- fractions and percentages
- statistical operations, such as standard deviation, mean and linear regression.

Features that are NOT permitted

Calculators must not allow access to the following features:

- saving expressions
- solving simultaneous equations
- displaying a graph
- matrix operations
- symbolic algebra manipulation
- programmability
- communication with other machines, students or the internet
- language translation.

More information

If you would like more information, please phone (07) 3864 0444 or email the Mathematics learning area at Maths@qcaa.qld.edu.au.