Year 12 Stationery List 2022

The following stationery will be needed by all Stage 2 Students

Compulsory		
1 x Laptop	Computers should meet the specification standards as per computer specifications on next page	Minimum technical requirements - South Australian Certificate of Education (sace.sa.edu.au) *Recommended* *Windows 10 (Version 2004), MacOS (X, 10.9+)* *4GB Memory* *15.4 inch screen size*
iPad or Tablet		
Stylus	Writing and drawing tasks	
1 x Earphones	For Listening Tasks	
1x Calculator	Graphics Calculator **CASIO fx-CG50 AU** See Graphics Calculator Specifications on the next page	
Geoliner	Mathomat Geoliner Protractor WGMA277747	
Blue, black and red pen	BIC Cristal Original Ballpoint Pen Assorted 10 Pack Product Code: BI103623AS	
Graphite pencil	HB or softer	
Highlighters - Assorted Colours		
30 cm Ruler		
Eraser		
5mm graph pad paper		
1 folder	Folder for every subject	
1 x 96 page exercise book	Notebook for every subject	

A4 Display folder		
Optional		
Digital Translator – Text		
Digital Translator - Voice		

Laptop Specifications

Minimum technical requirements

Student devices for electronic examinations are expected to meet the following minimum technical requirements:

Device type	laptop, desktop
Device operating system	Windows (7, 8.1, 10), Mac OS (X, 10.9+)
Device memory	2GB minimum
Device hard drive	2GB minimum free space
Screen	recommended minimum resolution 1366 x 768 pixels recommended minimum size 13 Inch
Keyboard	wired, wireless
Pointing device	mouse, trackpad
Connectivity	able to connect to the internet via wired or wireless connection
Power	3 hours of available power, either connected power in the exam room or battery power to power the device for a minimum of 3 hours
Administrator access	able to install third party software on the device

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NOTE: Please check the SACE website at www.sace.sa.edu.au for updates to calculator, dictionary and laptop recommendations. These change regularly.

Capabilities of graphics calculators used for external examinations for mathematics subjects

The following summary lists the mathematical capabilities of graphics calculators and computer software that are available and may be expected to be used in external examinations for mathematics subjects.

1. Standard scientific calculator operations or functions.

2. Graphing functions, including:

- graphing functions simultaneously or consecutively
- investigating and calculating aspects of interest for one or more functions
- Points of intersection
- Axes intercepts (roots)
- Local extrema
- graphs in coordinate, polar, and parametric forms
- graphing inequalities and piecewise defined functions.

Note: A graphing function has a zoom capacity to focus on a section of interest ('box zoom').

3. Data, including:

- storage and analysis of bivariate data, including means, standard deviations, regression coefficients, and product-moment correlation
- graphical displays of data, including histograms, box plots, scatter plots, and least squares regression lines, including linear and other models of regression.

4. Matrices stored and manipulated, including:

- matrix addition, multiplication, and inversions
- solutions to systems of linear equations numerically solved
- determinants and transposes.

5. Numerical calculus facilities:

- numerical derivatives
- definite integrals (e.g. areas between functions).

6. Numerical solutions to equations — graphical or iterative.

Calculator Specifications

Calculator Specifications – Continued

8. Complex numbers:

- operations (arithmetic operations and operations with rational indices)
- conversions between Cartesian and polar form.

9. Sequences and series either through list structures or by formula.

10. Probability, including:

- calculating probabilities, using the normal distribution and the binomial distribution
- calculating the mean and standard deviation for the normal distribution and the binomial distribution
- calculating confidence intervals for the population mean and the population proportion
- calculations associated with the Z-test that compares a sample mean to a stated population mean (null hypothesis).

Computer algebra systems (CAS) are not permitted in external examinations.

SD-card facility (or similar external memory facility) is not permitted in external examinations.

Flash memory (memory that can be used to store add-in programs and other data) must not exceed 5.0 MB