



28 January 2022

Dear Parent/Carer,

As indicated in the Senior Subject Selection booklet, it is strongly recommended that students studying Maths Methods and/or Specialist Maths purchase a graphics calculator. To assist with this purchase, we have sourced the best price from the leading Australia-based education suppliers of this calculator.

The school is purchasing the **TI-84 Plus CE** graphics calculator. The price of the TI-84 Plus CE, purchased through the school, is \$185 and includes a padded wallet for extra protection when bouncing around in a student's school bag.

For students who may be intending on studying further mathematics beyond school and wish to purchase a graphics calculator with a computer algebra system (CAS), the TI-Nspire CXII CAS calculator can be purchased from OfficeWorks for \$215. The school is unable to source a better price and will therefore not be placing a bulk order for this model. The TI-Nspire CXII CAS able to produce symbolic results and give answers in exact form without numerical approximations. As mathematical constants and variables are recognised, algebraic expressions can be manipulated, thus allowing for factorising, expanding and simplifying to be performed. These additional features are not required for the scope of Year 11 and 12 Mathematics; however, students intending on studying further mathematics beyond school may choose to consider a calculator with this functionality.

Both calculators listed above are approved by QCAA for use in senior assessment, including external examinations.

To order a TI-84 Plus CE calculator, simply complete the attached order form and return it to the school's Textbook office along with the payment by **2.30pm Friday 11 February (Week 3)**. The calculators will be sent to the school as a bulk order, so late orders will incur an extra delivery charge as they will have to be sent individually.

There are other alternatives to purchasing your own calculator outright:

- you could hire the calculator through the school at a fee of \$40 per year (\$20 per semester). To accept this option, complete the attached Calculator Hire Form and return it to the text office, along with payment by Friday 18th February (Week 4). At the end of 2022, the calculator is to be returned in good working order and then rehired in 2023.

Advantages: less up front cost, not stuck with a calculator you have no use for after year 12.

Disadvantages: would be up for full replacement cost if lost or damaged, where damage is not covered by warranty (as is the case for other equipment and books hired out through the school), and you are not able to keep the calculator beyond year 12; it would remain the property of the school.



CENTENARY HEIGHTS STATE HIGH SCHOOL

Safety - Respect - Learning

- It is also an option to not purchase a graphic calculator at all and just make do with the limited access given in class.

Advantage: No expense.

Disadvantages: Cannot have access to the graphic calculator at home to practise before using in class, or in preparation/study for assessment tasks.

As mentioned at the start of this letter, it is strongly recommended to purchase (or hire) a graphics calculator because of the advantages of access outside the classroom, but this is not compulsory.

Word of warning: If you are looking to buy yourself rather than through the school's supplier, please be aware of the model you need to purchase, being the TI-84 Plus CE.

If you have an older TI-84 Plus or TI-83 Plus model, or have an opportunity to purchase one cheaply through the internet, know that this model is adequate, but will lack some of the useful features of the more advanced operating system in the **TI-84 Plus CE** model, and it is highly unlikely there will be any sort of warranty still active.

I hope this letter allows you to make an informed decision. Any further questions please feel free to contact me through the school on 4636 7500.

Kind Regards

Samantha Taylor
Head of Department - Mathematics

Darren Cook
Executive Principal

A Gateway School to the Wine Tourism Industry

Education Queensland International CRICOS Provider Number: 00608A

60 Ramsay Street
Toowoomba Qld 4350

Ph: (07) 4636 7500
Fax: (07) 4636 7501

Email: info@centheigshs.eq.edu.au
Web: www.centheigshs.eq.edu.au



Graphic Calculator Form

Dear Parent/Carer

Use of a Graphic Calculator is an integral part of the learning experiences and assessment within Maths Methods and Specialist Maths.

Students are encouraged to purchase a Ti-84PLUS CE graphic calculator. The cost of purchasing one of these calculators through the school is \$185.

An alternative is to hire one of these calculators for the school year from our Textbook Office for a cost of \$20 per semester (\$40 per year). Please note there are limited graphics calculators available for hire.

Please complete the section below and return to the textbook office with payment by **2.30pm Friday 11 February 2022 (Week 3)**.

Samantha Taylor
Head Of Department - Mathematics

----- ✕ -----

Student's Name _____ PCG _____

Option 1: Purchase the calculator at a cost of \$185.00

Option 2: Hire the calculator

My child would like to participate in the hiring of a Ti-84 PLUS CE graphic calculator, for the 2022 school year and agree to pay the hire fee of \$20 per semester/\$40 yearly to the school Textbook Office.

I understand that should the calculator be lost or damaged in anyway not covered by the warranty then I will need to refund the difference between the full cost and the hire charge already paid.

The calculator is to be returned to the Textbook Office in good condition and working order, with all accessories, immediately following the final assessment task for the year.

I have read and understood the conditions above and agree to pay the hire fee.

Signature: Date...../...../.....

Payment to be received no later than 2:30pm Friday 11 February 2022

METHOD OF PAYMENT:

- CASH
- EFTPOS
- Internet Banking – direct deposit into the school bank account BSBS 064-433 A/c No: 00094127 Ref: Cal-**students name**

I hereby authorise Centenary Heights State High School to debit my: **Visa** **MasterCard**

EXPIRY: ____/____ AMOUNT \$ _____

CARDHOLDERS NAME (as it appears on the card): _____

SIGNATURE OF CARDHOLDER: _____ DATE: ____/____/____