



To: Math students and their parents/guardians:

Regarding: **Scientific and Graphing Calculators**

The Mathematics curriculum incorporates technology in the teaching and learning of mathematical concepts and processes. To achieve this, Alberta Education requires all students to have a graphing calculator. Alberta Education suggests a few different calculators; however, the demonstration calculator used in the classroom at LBHS will be a Texas Instruments **TI-84 CE Plus**. If a student is using a Casio, they will be required to learn how it works with their user manual and/or YouTube videos.

Graphing Calculators **APPROVED** by Alberta Education.

Texas Instruments

- TI-83 Plus
- TI-84 Plus
- TI-84 Plus CE / TI-84 Plus CE Python
- TI-84 Plus Pocket SE (no longer sold in Canada)
- TI-Nspire CX II
- TI-Nspire CX II CAS (CAS **must** be disabled)

The following Texas Instruments calculator models are approved, but are no longer manufactured.

- TI-83
- TI-83 Plus Silver
- TI-84 Plus Silver
- TI-84 Plus C Silver Edition
- TI-Nspire (with Touchpad or Clickpad)
- TI-Nspire CX Handheld

Casio

- fx-9750 GII
- fx-9750 GIII (**must** be in examination mode)
- fx-9750 G Plus (no longer manufactured)
- fx-9860 GII (no longer manufactured)

The full list of approved calculators can be found here:

<https://www.alberta.ca/assets/documents/edc-calculator-information-and-rules.pdf>

Some Scientific Calculators **NOT APPROVED** by Alberta Education.

- Casio fx-115 ES Plus (or ES Plus 2)
- Casio fx-CG10 or fx-CG50
- Casio fx-991 ES Plus (or ES Plus C or ES Plus 2 or EX or CW)
- Casio fx-300 ES (or ES Plus or ES Plus 2)
- Casio fx-82 ES Plus
- Casio fx-85 ES Plus
- Casio fx-95 ES Plus
- Casio fx-350 ES Plus
- Sharp EL W516X Writeview
- Sharp EL W535X Writeview
- TI 36X Pro
- TI 30XS Multiview

Please check the list before you purchase a calculator. A calculator that is not on the approved list, will not be allowed for use on quizzes and tests, along with cell phones and other technologies. We have had students in the past not check their calculators before assessments and were not permitted to use it. This creates undue stress on assessment days. Scientific calculators can not answer with exact values. For example: If $\sqrt{8}$ is typed into the calculator and an answer of $2\sqrt{2}$ is given, this is a non-approved calculator.

We realize that a graphing calculator is a major expense, but we ask you to consider this purchase as an investment for all high school math courses and possibly beyond. In grade 10, students will learn how to use it so that they are proficient with it by the time they move into Grade 11.

The school does not sell these calculators. You can look to buy new or used at places such as Walmart, Staples, Amazon, Costco, Kijiji, Ebay, or Facebook Buy and Sell groups. If you are unable to obtain a graphing calculator for the math class this year, please talk to your student's teacher immediately for possible options.

Thank you,

Chandra Cabor
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