



## **Grade 10 Numeracy Assessment Policy on the Use of Calculators and other Electronic Devices**

The **most appropriate** calculator for the Grade 10 Numeracy Assessment is a **scientific calculator**. A scientific calculator is available within the e-Assessment system with the following operations:

- Addition and subtraction
- Multiplication and division
- Operations with exponents
- Square and cube roots

Students may also use their own calculator. However, personal calculators must be hand-held devices designed primarily for mathematical computations including only the above operations. Graphing calculators are allowed.

Devices such as smartphones, tablets, laptops and other electronics with cameras, storage, and wireless capabilities are not permitted.

### **Prohibited calculator features:**

Students are prohibited from using calculators or devices with the following features:

- Wireless or internet capabilities
- Audio/video recording and playing, camera, or any other smartphone type features
- Computer Algebraic System (CAS), which allows manipulation of mathematical expressions in symbolic form
- Any supplementary materials or hardware to support calculators (e.g., manuals, memory expansion chips, cards)

### **During assessment administration, calculators must not:**

- Be used to transmit information about the assessment to another individual
- Be used to store assessment questions or answers in any form
- Have additional information programmed into the memory (e.g., student constructed programs, manually entered notes)

Calculators must be inspected by a knowledgeable invigilator prior to the assessment. The Ministry of Education and Child Care does not review calculators.

Breaching this policy is grounds for disqualification. See the Disqualification section in the [B.C. Graduation Program Handbook of Procedures](#) for further information.