

## Required Graphic Display Calculator (GDC) for IBDP Mathematics – Analysis and Approaches (AA)

All IBDP students are required to have **Graphic Display Calculator** to be used for Mathematics – Analysis & Approaches (AA).

### A graphic display calculator (GDC)

- is a calculator that is capable of displaying tabular, matrix, list, geometrical and graphical representations, in addition to having functions found on scientific calculators. GDCs can run programs and flash ROM applications (apps).



The model of Graphic Display Calculator (GDC) recommended by the Mathematics teachers is:

- **Texas instruments-TI-84 Plus CE-T (Python Edition)**

The student should purchase **ONE** of the permitted Graphic Display Calculators (GDC) cited below, and have it ready with him/her at the beginning of the academic year.

### Examples of permitted calculators by International Baccalaureate

<b>Texas Instruments</b>	TI 84 Plus – all models	TI-83 Plus
	TI-Nspire (non-CAS models) <ul style="list-style-type: none"> <li>• TI-Nspire CX II / CX II-T (OS version 5.4 or higher)</li> <li>• TI-Nspire CX (OS version 4.5.5)</li> </ul> TI-Nspire ( <b>selected</b> CAS models) with CAS mode disabled <ul style="list-style-type: none"> <li>• TI-Nspire CX II CAS (OS version 5.4 or higher)</li> <li>• TI-Nspire CX II-T CAS (OS version 5.4 or higher)</li> <li>• TI-Nspire CX II-C CAS (OS version 5.4 or higher)</li> </ul>	All TI-Nspire models must be updated to the latest Operating System (OS) as indicated.  All TI-Nspire models must be placed in “Press-to-Test” mode with the correct features blocked (see list below).
<b>NumWorks</b>	NumWorks calculator (OS version 18.1.0 or higher) with IB exam mode activated	
<b>Hewlett Packard</b>	HP Prime updated to the latest firmware in “Exam Mode”, with the correct features blocked (see list below)	
<b>Casio</b>	FX-9860GII / FX-9860GII SD / FX-9860G AU PLUS updated to the latest operating system for IB examinations in “Examination Mode (for IB)”	
	FX-9750GIII / FX-9860GIII / Graph 35+ EII updated to the latest operating system for IB examinations in “Examination Mode (for IB)”	
	FX-CG50 / FX-CG50AU / FX-CG20 / Graph 90+E updated to the latest operating system for IB examinations in “Examination Mode (for IB)”	
	FX-CG100 / FX-1AU Graph / Graph Math+ updated to the latest operating system for IB examinations in “Examination Mode (for IB)”	

### Prohibited calculators

- The following models are not allowed in examinations under any circumstances

<b>Texas Instruments</b>	TI Voyage 200 (all versions)	TI 89 (all versions)
	Older CAS models: <ul style="list-style-type: none"> <li>• TI-Nspire CX CAS</li> <li>• TI-Nspire CAS</li> </ul> TI-Nspire models that are <b>not</b> updated to the latest operating system	
<b>Hewlett Packard</b>	HP 38-95 (all versions)	
<b>Casio</b>	Classpad (all versions) / FX CG500	Graph 100
	FX 2.0 (all versions)	FX 9970 (all versions)
	Devices with an “Examination Mode” that are <b>not</b> updated to the latest operating system	

## The Graphic Display Calculator examples will be specified:

- in the school Booklist for academic year 2025–2026.
- On school website: <https://rhhs.edu.lb/ib-diploma-program/>

For more information about the GDC, you can contact the IBDP coordinator

email: [dima.osman@rhhs.edu.lb](mailto:dima.osman@rhhs.edu.lb)

### **Resources**

International Baccalaureate, (2023). Calculators Guidance for Examinations Booklet 2023. Retrieved February 25, 2023, from <https://resources.ibo.org/>

International Baccalaureate, (2023). Use of calculators in IBDP examinations 2023. Retrieved February 25, 2023, from <https://resources.ibo.org/>