

### What is the DP Mathematics course about?

DP students will have the following option under DP Mathematics course

- **Mathematics: Analysis & approaches (Higher Level or Standard Level)**
- **Mathematics: Application & Interpretation (Higher Level or Standard Level)**

Students can choose **any one** among the (above mentioned) four. **The details of the options are as follows:**

**Mathematics: Analysis & approaches (Higher Level or Standard Level)** is intended for students who wish to pursue studies in Mathematics or subjects that have a **large mathematical content**; it is for students who enjoy exploring real and abstract applications, with or without technology.

**Mathematics: Applications & interpretations (Higher Level or Standard Level)** is being designed for students who enjoys solving practical problems using mathematics and those who are interested in harnessing the power of technology alongside exploring mathematical models.

### What are the differences between Higher level (HL) and Standard level (SL)?

- a. Standard level students study fewer concepts than higher level students
- b. Teaching time—a minimum of 240 hours at higher level; a minimum of 150 hours at standard level
- c. The criteria of assessment are different to account for greater rigour at higher level
- d. Grade boundaries are higher at higher level—a higher level student has to score more marks than a standard level student to achieve the same grade.
- e. The duration of the assessment, such as examination papers, is longer at higher level.

### How will these Mathematics courses be assessed?

**Higher Level - 3 externally assessed written papers (80%) and Internal Assessment (20%).**

**Standard Level - 2 externally assessed written papers (80%) and Internal Assessment (20%).**

**Internal Assessment** - This component is internally assessed and externally moderated by IB at the end of the course – **Mathematics Exploration**

### How will these Mathematics courses help me later?

**Mathematics: Analysis & approaches:** This subject is aimed at students who go on to study subjects with substantial math content such as Pure Maths itself, Engineering, Physical Sciences or some economic courses.

**Mathematics: Applications & interpretations:** This subject is aimed at students who go on to study subjects such as Social science, Natural science, Medicine, Statistics, Business Management, some economic courses, Psychology and Design.