



DIPLOMA

# Mathematics 2019

## What you need to know



2019 is bringing a new IB Diploma Mathematics Guide, which we know will have a big impact on the way you teach Maths. This overview is designed to answer your questions, so that you know what the changes mean for you, and to make sure you've got everything you need to be ready when September 2019 comes around.

### What's changed, in brief?

#### Before

- Maths Studies Standard Level
- Maths Standard Level
- Maths Higher Level
- Further Maths Higher Level

#### 2019

- **Mathematics: Analysis and Approaches** Standard Level and Higher Level
- **Mathematics: Applications and Interpretation** Standard Level and Higher Level

### What's the difference between the two new routes?

#### Mathematics: Analysis and Approaches Standard Level and Higher Level

Focuses on algebraic, graphical and numerical approaches and the construction of mathematical thinking.

#### Who's it for?

Students who plan to study a Maths-heavy subject at university, such as Maths, Engineering or Physical Sciences.

#### Mathematics: Applications and Interpretation Standard Level and Higher Level

Focuses on using Maths to solve practical problems, with an emphasis on applied Maths, interpreting results in context, and using technology.

#### Who's it for?

Students who want to go on to study subjects such as Social Sciences, Natural Sciences, Statistics, Business, Psychology or Design.

### What else has changed and what are the benefits?

Everything that you find in a Standard Level course is now needed as part of the Higher Level course, offering you more flexibility and encouraging more students to take the Higher Level course.

Students will no longer need to choose topic options in Higher Level courses.

Two new aims have been added to encourage students to reflect critically on their work – and the work of others – helping them extend their Maths understanding, independently and together.

### What about assessment?

#### Standard Level

- ✓ 2 written papers
- ✓ Paper 1: short answer questions
- ✓ Paper 2: extended response questions

#### Higher Level

- ✓ 3 written papers
- ✓ Paper 1: short answer questions
- ✓ Paper 2: extended response questions
- ✓ Extra Paper 3: 1-hour extended problem-solving paper

Internal assessment will stay the same

### What do you need to do now?

Everything is ready for you! Try sample units online now and discover:



- Separate Standard Level and Higher Level books to avoid distractions.
- Written by experts, with the types of students who will take each course in mind.
- Worked examples and explanations, real-life examples, and support for the modelling approach.
- Increased focus on the use of technology.
- Integrated GeoGebra applets in the eBook.
- Support for the Internal Assessment and TOK, full of ideas that will inspire your students.

## Online Sample



Pearson

Take a look at sample units at:  
[www.pearsonglobalschools.com/ib](http://www.pearsonglobalschools.com/ib)

