

# New DP Mathematics

## What is the best fit for your school?

After a seven-year curriculum review, two new subjects in mathematics will be replacing the current four subjects in 2019. In addition to giving more choice to a greater number of students, these courses will give your school greater flexibility in the way you group students, schedule lessons and teach the skills and content.

### MATHEMATICS: ANALYSIS AND APPROACHES

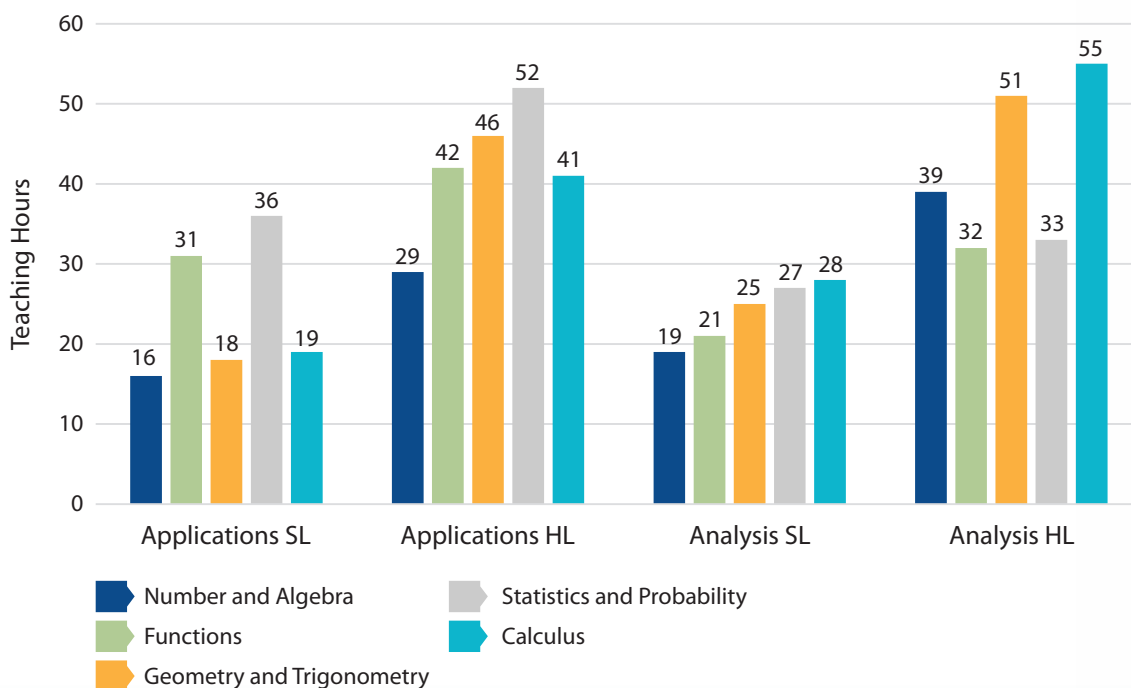
- Offered at both SL and HL
- Emphasis on algebraic methods
- Develop strong skills in mathematical thinking
- Real and abstract mathematical problem solving
- For students interested in mathematics, engineering, physical sciences, and some economics

### MATHEMATICS: APPLICATIONS AND INTERPRETATION

- Offered at both SL and HL
- Emphasis on modelling and statistics
- Develop strong skills in applying mathematics to the real-world
- Real mathematical problem solving using technology
- For students interested in social sciences, natural sciences, medicine, statistics, business, engineering, some economics, psychology, and design

## Mathematics Subject Breakdown

All courses cover the same 5 topics within mathematics but with varying emphasis



## Here are some suggestions as to how you might run the courses

Grade	Current	Recommendation 1	Recommendation 2	Also Consider*
11	Mathematical Studies SL YEAR 1	Mathematics Applications SL YEAR 1		Mathematics Applications HL YEAR 1
12	Mathematical Studies SL YEAR 2	Mathematics Applications SL YEAR 2		Mathematics Applications HL YEAR 2
11	Mathematics SL YEAR 1	Mathematics Analysis SL YEAR 1		Mathematics Applications HL YEAR 1
12	Mathematics SL YEAR 2	Mathematics Analysis SL YEAR 2		Mathematics Applications HL YEAR 2
11	Algebra II	Mathematics Applications SL YEAR 1		<i>Consider adding any Algebra II topics not covered for students taking state exams</i>
12	Mathematical Studies SL (ONE-YEAR COURSE)	Mathematics Applications SL YEAR 2		
11	Mathematics SL	Mathematics Applications HL YEAR 1	Mathematics Applications SL YEAR 1	Mathematics Analysis HL YEAR 1
12	AP Calculus AB	Mathematics Applications HL YEAR 2	Mathematics Applications SL YEAR 2	Mathematics Analysis HL YEAR 2
11	Mathematical Studies SL YEAR 1	Mathematics Applications HL YEAR 1	Mathematics Applications SL YEAR 1	<i>Recommendation 1 includes more calculus and all college-level introductory statistics</i>
12	AP Statistics or College Co-enrolled Statistics	Mathematics Applications HL YEAR 2	Mathematics Applications SL YEAR 2	
11	Mathematics SL	Mathematics Applications HL YEAR 1		
12	AP Statistics	Mathematics Applications HL YEAR 2		
11	Mathematical Studies SL	Mathematics Applications SL YEAR 1	Mathematics Analysis SL YEAR 1	Mathematics Applications HL YEAR 1
12	AP Calculus or College Co-enrolled calculus	Mathematics Applications SL YEAR 2	Mathematics Analysis SL YEAR 2	Mathematics Applications HL YEAR 2
11	Mathematics SL	Mathematics Analysis HL YEAR 1	Mathematics Applications HL YEAR 1	
12	AP Calculus BC	Mathematics Analysis HL YEAR 2	Mathematics Applications HL YEAR 2	
11	Mathematics HL YEAR 1	Mathematics Analysis HL YEAR 1	Mathematics Applications HL YEAR 1	
12	Mathematics HL YEAR 2 (AND/OR FURTHER MATHEMATICS)	Mathematics Analysis HL YEAR 2	Mathematics Applications HL YEAR 2	

\*if you have students regularly achieving high grades in current mathematics courses

For more information about the new DP mathematics courses  
visit [www.ibo.org/maths](http://www.ibo.org/maths)