NEW I.B. MATH COURSES AT IB WORLD SCHOOL

Prerequisite for Mathematics: Analysis and Approaches = IH Pre-calculus
Prerequisite for Mathematics: Applications and Interpretation = Algebra II or Pre-calculus
Last test for Math SL, Math HL, and Math Studies SL = Spring 2020

BIGGEST IMPLICATION? A sophomore currently in Algebra II with a passion for math and strong skills has an HL option in Group 5

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

<table>
<thead>
<tr>
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<th>Teaching Hours</th>
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<tbody>
<tr>
<td>Applications SL</td>
<td>16  31  36</td>
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<tr>
<td>Applications HL</td>
<td>29  42  52</td>
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<tr>
<td>Analysis SL</td>
<td>19  21  22</td>
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<tr>
<td>Analysis HL</td>
<td>19  39  33</td>
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- Number and Algebra
- Functions
- Statistics and Probability
- Calculus
- Geometry and Trigonometry