



IB Mathematics at City Honors School

The International Baccalaureate is replacing the current IB DP mathematics courses (Math SL and Math Studies SL) with two new offerings for the 2020-2021 school year. These courses are considered equally challenging, but the focus is different for each one. Please review the information below to better understand what each math course will entail. For more information, you can also visit the IB Diploma Program page on cityhonors.org.

Syllabus Content	Applications & Interpretations	Analysis & Approaches
Topic 1 – Number & Algebra	16 hrs	19 hrs
Topic 2 - Functions	31 hrs	21 hrs
Topic 3 – Geometry & Trigonometry	18 hrs	25 hrs
Topic 4 – Statistics & Probability	36 hrs	27 hrs
Topic 5 - Calculus	19 hrs	28 hrs
Toolkit (New) - Investigations	30 hrs	30 hrs
	150 hrs	150 hrs

IB Mathematics Applications & Interpretations SL –

- emphasis on statistics, modelling, and use of technology
- appropriate for students with an interest in applications of math and how technology can support these applications
- for students who will go on to study subjects such as social sciences, natural sciences, statistics, business, psychology, design, and other non-STEM fields

IB Mathematics Analysis & Approaches SL –

- emphasis on calculus, trigonometry, and geometry
- appropriate for students with an interest in pure mathematics, engineering, science, and analytic methods in economics
- for students who will go on to study subjects with substantial mathematics such as engineering, physical sciences, economics, and other STEM fields