Course Objectives

- **Foundation Solidification**: Bridge the gap between MYP Maths and IBDP Maths.
- **Problem-Solving Development**: Enhance key problem-solving skills for IBDP readiness.
- **Assessment Understanding**: Improve performance in MYP assessment criteria A, B, C, and D.

Why Choose Us

- **Expert Instruction**: Learn from the best! Our MYP courses are led by experienced senior science teaching faculty, who bring a wealth of knowledge and practical insights to the classroom.
- **IBDP Preparation**: Our classes are structured to ensure a smooth transition and solid preparation for the IBDP chemistry, biology and physics curriculum.

COURSE OVERVIEW

NUMBERS, ALGEBRA AND GRAPHS

- Key topics and assessments

SEQUENCES

- Types of sequences covered
- Formula derivation

GEOMETRY

- Essential skills and real-life applications
- Key concepts included

STATISTICS AND PROBABILITY

- Basic statistics tools and probability concepts
- Application in real-life scenarios

Course Structure

- **Total Duration:** 48 hours
- Breakdown of Sessions:
  - Numbers, Algebra and Graphs
  - Sequences
  - Geometry
  - Statistics and Probability

Problem-solving skills

One of the focuses of this course is problem-solving skills. This will include:

- Regular practice with exam-style questions
- Techniques for analysing complex questions and key components
- Strategies for effective time management during exams

OCANA ELITE
The University Preparatory and Tuition Centre

IBMYP Maths Course

Mathematics Courses
For Years 9-11 IB Students

Sign Up Now!

Registration Form

https://shorturl.at/X0cnO

Cana Elite (Sheung Wan)

(Tel) 2302 6500
(WhatsApp) 5540 1560
2/F, 135 Bonham Strand Trade
Centre, 135 Bonham Strand
Sheung Wan

Cana Elite (Shek Mun)

(Tel) 2459 9718
(WhatsApp) 5406 0663
Unit H, 6/F, Kings Wing Plaza 1
3 On Kwan Street
Shek Mun (MTR Exit C)

IBMYP Maths
Course Schedule

Schedule

Starting Date	Day	Time	Location	Price
1 Feb	Sat	13:30 - 14:30	Shek Mun	$450
2 Feb	Sun	15:00 - 16:00	Sheung Wan	

Sign Up Now!

Course Outline

Numbers, Algebra and Graphs

Topics Covered

(a) Types of Numbers (Rational/ Irrational/Prime/Natural, etc.)	(l) Algebraic Proof
(b) Percentage (Financial Maths)	(m) Functions
(c) Ratios	(n) Factor and Remainder Theorems
(d) Proportional Relationships (Direct/ Inverse Variations)	(o) Cubic Polynomials
(e) Advanced Index Rules (Fractional/ Negative)	(p) Exponentials and Logarithm
(f) Linear Equations: Solving Manipulations	(q) Rational Functions
(g) Straight Line Graphs	(l) Algebraic Proof
(h) Simultaneous Equations (Quadratic & Linear)	(m) Functions
(i) Quadratic Equations	(n) Factor and Remainder Theorems
(j) Quadratic Functions	(o) Cubic Polynomials
(k) Inequalities (Quadratic & Linear)	Assessments: Criteria A / B / C / D

Geometry

Topics Covered

(a) Pythagoras Theorem
(b) Trigonometric Ratio
(c) 3D Trigonometry and Bearings
(d) Sine Rule and Cosine Rule
(e) Perimeter, Area & Volume
(f) Similar Figures
Assessments Covered: Criteria A / C / D

Sequences

Topics Covered

(a) Arithmetic Sequence
(b) Geometric Sequence
(c) Quadratic Sequence
(d) Sigma Notation
(e) General Sequences
Assessments Covered: Criteria B / C

Statistics and Probability

Topics Covered

(a) Statistics Graphs (Stem & Leaf/Histogram/Cumulative Frequency Polygon)
(b) Measures of Central Tendency (Mean/Mode/Median)
(c) Measures of Dispersion (Standard Deviation/Variance)
(d) Sampling Methods
(e) Regression
(f) Basic Probability
(g) Conditional Probability
(h) Venn Diagram
(i) Tree Diagram
(j) 2-way Table
Assessments Covered: Criteria A / C / D