

A-Level Bridging Program

H2 Mathematics

Date/Day	Time
15 th November 2022 Tuesday	10:00AM – 12:00PM
17 th November 2022 Thursday	1:30PM – 3:30PM
22 nd November 2022 Tuesday	10:00AM – 12:00PM
29 th November 2022 Tuesday	10:00AM – 12:00PM
6 th December 2022 Tuesday	10:00AM – 12:00PM
8 th December 2022 Thursday	1:30PM – 3:30PM
20 th December 2022 Tuesday	10:00AM – 12:00PM
22 nd December 2022 Thursday	10:00AM – 12:00PM
22 nd December 2022 Thursday	2:00PM – 3:30PM

Lesson details
<p>\$420 per month (November's fee is due before 1st lesson and December's fee is due on the 3rd lesson)</p> <p>\$50 registration and material (waived for existing students)</p> <p>Consultation via WhatsApp/Zoom</p> <p>Recording of lesson in event of absenteeism</p>

Topics (Subjected to change)
<p>1. Equations and Inequalities</p> <ul style="list-style-type: none"> Formulating a system of linear equations from a problem situation Solving inequalities of the form $\frac{f(x)}{g(x)} > 0$ where $f(x)$ and $g(x)$ are linear expressions or quadratic expressions that are either factorisable or always positive <p>2. Patterns</p> <ul style="list-style-type: none"> Relationships by finding an algebraic expression for n^{th} term <p>3. Arithmetic and Geometric Progression</p> <ul style="list-style-type: none"> Concepts of sequence and series for finite and infinite cases Relationship between u_n (n^{th} term) and S_n (sum to n terms) Sum and difference of two series <p>4. Differentiation</p> <ul style="list-style-type: none"> Recap of differentiation techniques Implicit Differentiation Maxima and Minima <p>5. Integration</p> <ul style="list-style-type: none"> Recap of integration techniques General power rule of integration Trigonometric formula Integration by substitution Integration by parts <p>6. Permutation and Combination</p> <ul style="list-style-type: none"> Addition and multiplication principles for counting Concepts of permutation and combination Arrangement of distinct objects in a line including cases involving restriction