**BGCSE Mathematics: PART 2 (Core Level)**

**The Tutoring Station**

Instructor: Mr. Sachin Lewis

**Supplementary Materials:**

~ Scientific Calculator

**Course Requirements:**

**~ Complete all assignments** in a timely fashion

~ Participate in live ZOOM conferences

The course is split into two parts, each covering a variety of topics. There will be two tests and a ZOOM session before each test to prepare students. This course mainly focuses on concepts found in BGCSE Paper 2 with some overlap of Paper 1. Therefore, the final test will be a past BGCSE Paper 2.

**Topics covered: Part 2 Test 1 25%**

1. Algebraic representation and formulae
2. Algebraic manipulation
3. Functions
4. Indices
5. Algebraic equations

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| **Topics covered: Part 2 Test 2** a. Geometrical terms and relationships  |  | **30%**  |
| 1. Geometrical construction
2. Angle properties
3. Measurement
4. Trigonometry
5. Statistics
6. Probability
7. Vectors in two dimensions
8. Transformations

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 **BGCSE PAPER 2 45%**