

**1. Maths Clinic 1 (29<sup>th</sup> April 2017: Session 1 = 9am-11am, Session 2 = 12pm-2pm)**

Open for Year 10 and 11

1	Algebra	Algebraic expressions, simplification and expansion of expressions, factorizations of quadratic expressions, conjugate identities, quadratic equations.	2 hours
2	Arithmetic	Percentage, reverse percentage, fraction, decimals and ratio, upper and lower bound in calculations, variation (inverse and direct)	2 hours

Primary Instructor: Mr. Kaeini (assisted by Ms. Miresah)

**2. Maths Clinic 2 (6<sup>th</sup> May 2017: Session 1 = 9am-11am, Session 2 = 12pm-2pm)**

Open for Year 11 only

1	Geometry	Arc length and the area of the sectors, length, area and volume of the similar shapes, sine and cosine rule, area of triangles	2 hours
2	Transformations	Vectors, addition and subtraction of vectors Matrices and transformation	2 hours

Primary Instructor: Mr. Kaeini (assisted by Ms. Miresah)

**3. Add Maths Clinic 1 (13<sup>th</sup> May 2017: Session 1 = 9am-11am, Session 2 = 12pm-2pm)**

Open for Year 10 and 11

1	Algebra	Quadratic equations, numbers of the roots geometric interpretation of the roots quadratic inequalities completing the square, graph of quadratic functions.	2 hours
2	Exponent and logarithm	Rules of exponents, solving equations involving unknown powers simplifications of exponent logarithm rules simplification of log functions solving equations involving log.	2 hours

Primary Instructor: Mr. Kaeini (assisted by Ms. Hazirah)

**4. Add Maths Clinic 2 (20<sup>th</sup> May 2017: Session 1 = 9am-11am, Session 2 = 12pm-2pm)**

Open for Year 11 only

1	Calculus	Differentiation of polynomials product and quotient rules, equation of tangent and normal to the curves, stationary points of a curve second derivative of the function and maximum and minimum.	2 hours
2	Calculus	Differentiation of the trigonometric, exponential and logarithm functions and their applications.	2 hours

Primary Instructor: Mr. Kaeini (assisted by Ms. Hadirah)