

YISHUN SECONDARY SCHOOL
ADDITIONAL MATHEMATICS
SECONDARY 3 G2 2026

| Mathematics Curriculum | | Key Programmes |
|--|--|-----------------------|
| In line with the requirements of the A Mathematics Syllabus, the teaching of A Math at YSS focuses on developing thinking, reasoning and problem-solving skills using Math Modelling, making conjectures, investigations and making connections among mathematical concepts. | | |
| Term 1 | Chapter | Assessment |
| Week 0 - 1 (1 Jan, Thu-New Year day) | Back to School Programme (2 Jan to 6 Jan) | |
| Week 1 - 2 | 1.1 Quadratic functions of the form $y = a(x - p)(x - q)$ | |
| Week 2 | 1.2 Quadratic functions of the form $y = a(x - h) + k$ | |
| Week 3 | 1.3 Conditions for quadratic curve to lie complete above or below x-axis 1.4 Quadratic functions in real-world contexts | |
| Week 4 | 2.1 Solving quadratic equations by completing the square 2.2 Solving quadratic equations using Quadratic Formula | |
| Week 5 | 2.3 Solving linear and non-linear simultaneous equations | |
| Week 6 | 2.4 Solving quadratic inequalities | |
| Week 7 (16 Feb, Mon – School Celebration, 17 Feb, Tue – 18 Feb, Wed CNY) | 3.1 Surds | |
| Week 8 (27 Feb, Fri – HBL Sec 3 Oral) | 3.2 Simplifying expressions involving surds Revision for WA1 | |
| Week 9 (6 Mar, Fri – HBL Sec 3 Oral) | 3.3 Solving equations involving surds | WA1 |
| Week 10 | 4.1 Polynomials | |
| March Holiday | | |
| Term 2 | Chapter | Assessment |
| Week 1 (23 Mar, Mon – Hari Raya Puasa School Hol) | 4.2 Remainder and Factor Theorem | |
| Week 2 (Good Friday) (ITE ApLM) | ApLM | |
| Week 3 | 4.3 Cubic expressions, equations and identities | |

| Week 4 (HBL – Fri Sec 4 Oral) | 4.4 Partial Fractions | |
|---|---|------------|
| Week 5 (HBL – Fri Sec 4 Oral) | 7.1 Mid-point of Line Segment 7.2 Parallel and perpendicular lines | |
| Week 6 (1 May Fri - Labour Day) | 7.3 Equation of straight line | |
| Week 7 (SLF) | Student Learning Festival | |
| Week 8 | Revision for WA2 | WA2 |
| Week 9 (22 May - Cross Country) | 7.4 Areas of Rectilinear figures 7.5 Equations of Circles | |
| Week 10 (27 May Wed - Hari Raya Haji) | 7.5 Equations of Circles | |
| June Holiday Assignment (SLS Trigo Ratio) | | |
| Term 3 | Chapter | Assessment |
| Week 1 | 9.1 Trigonometric Ratios of acute angles and special angles | |
| Week 2 (6 Jul Mon – Youth Day) | 9.2 Trigonometric Ratios of general angles | |
| Week 3 (National Oral Exam: Tue – Thu) HBL 14 - 16 Jul | HBL due to National Oral Examination (14 to 16 July) 9.3 Trigonometric functions and graphs | |
| Week 4 | 9.3 Trigonometric functions and graphs | |
| Week 5 | 10.1 Trigonometric equations 10.2 Trigonometric Identities | |
| Week 6 (7 Aug, Fri – National Day School Celebration) | 10.2 Trigonometric Identities | |
| Week 7 (10 Aug, Mon – National Day School Holiday) | 10.3 Addition Formulae | |
| Week 8 | 10.4 Double Angle Formulae Revision for WA3 | |
| Week 9 | 10.5 Proving of Identities | WA3 |
| Week 10 (3 Sep Thu - Teachers' Day celeb) | 10.6 R-formula | |

| | | |
|---|---|-------------------|
| (4 Sep Fri - Teachers' Day Celebration) | | |
| September Holiday | | |
| Term 4 | Chapter | Assessment |
| Week 1 | Revision | |
| Week 2 | Revision | |
| Week 3 – 4 | End-of-Year Examination | |
| Week 5 | Script Checking and Review of Exam Paper | |
| Week 6 | Post-Exam Programmes | |