

**YISHUN SECONDARY SCHOOL
ELEMENTARY MATHEMATICS
SECONDARY 3 G3 2025**

| Mathematics Curriculum | | Key Programmes |
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| In line with the requirements of the Mathematics Syllabus, teaching of Math at YSS focuses on developing thinking, reasoning and problem-solving skills using Math Modelling, investigations and making connections among mathematical concepts. | | |
| Term 1 | Chapter | Assessment |
| Week 0 (1 Jan Wed-New Year day) | Back to School Programme | |
| Week 1 | 1.1 Solving quadratic equations by completing the square 1.2 Solving quadratic equations by using formula | |
| Week 2 | 1.3 Solving fractional equations reducible to quadratic equations 1.4 Solving quadratic equations by graphical method | |
| Week 3 | 1.5 Sketching of graphs of quadratic functions 1.6 Applications of quadratic equations and functions in real-world | |
| Week 4 (28 Jan – CNY celebration,29-30 Jan Wed-Thu CNY) | 2.1 Solving simultaneous linear inequalities | |
| Week 5 | 2.2 Solving problems involving simultaneous linear inequalities 3.1 Indices | |
| Week 6 | 3.2 Laws of indices 3.3 Zero and negative indices | |
| Week 7 | 3.4 Rational indices Revise for WA1 | |
| Week 8 | 3.5 Compound Interest 3.6 Standard Form | WA1 |
| Week 9 (Fri - no lesson) | 4.1 Gradient of a Straight Line | |
| Week 10 (Fri - no lesson) | 4.2 Length of a Line Segment 4.3 Equation of a Straight Line | |
| March Holiday Assignment (PRWC) | | |

| Term 2 | Chapter | Assessment |
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| Week 1 | 5.1 Graphs of cubic functions 5.2 Graphs of reciprocal functions | |
| Week 2 (31 Mar Mon– Hari Raya Puasa) | 5.3 Graphs of exponential functions | |

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| Week 3 | 5.4 Gradient of curve 5.5 Applications of graph in real-world context | |
| Week 4 (18 Apr Fri – Good Fri) | Revision for WA2 | |
| Week 5 | 6.1 Sine and cosine of obtuse angles 6.2 Area of triangle | WA2 |
| Week 6 (1 May Thu - Labour Day) (HBL - Fri) | 6.3 Sine rule 6.4 Cosine rule | |
| Week 7 (HBL - Fri) | 7.1 Angles of elevation and depression | |
| Week 8 (12 May Mon – Vesak Day) | Sec 3 Camp Student Learning Festival | |
| Week 9 | 7.2 Bearings | |
| Week 10 | 7.3 Three-dimensional problems | |
| June Holiday Assignment (SLS for Chp 8.1, 8.2) | | |

| Term 3 | Chapter | Assessment |
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| Week 1 | 8.3 Radian Measure 8.4 Arc length and sector area using radian measure | |
| Week 2 (7 Jul Mon – Youth Day) | 11.1 Symmetric properties of circles | |
| Week 3 | HBL due to GCE Oral Exam (15 to 17 Jul) 11.2 Angle properties of circles | |
| Week 4 | 11.2 Angle properties of circles 9.1 Bisector and scale drawings | |
| Week 5 | 9.2 Congruence tests | |
| Week 6 (National Day Celebration – Friday) | 9.2 Congruence tests Revise for WA3 | |
| Week 7 (11 Aug Mon – School Holiday) | 9.3 Similarity tests | WA3 |
| Week 8 | 9.4 Applications of congruent and similar triangles | |
| Week 9 | 10.1 Area of similar figures 10.2 Volume of Similar solids | |
| Week 10 (Teachers' Day Celebration-Thu Teachers' Day-Fri) | 10.3 Solving problems involving similar solids | |

| September Holiday Assignment (EOY Practice Paper) | | |
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| 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 Papers | |
| Week 6 (Deepavali – Monday) | Post-Exam Programmes | |