

**YISHUN SECONDARY SCHOOL
ADDITIONAL MATHEMATICS
SECONDARY 4 Normal Academic 2026**

| Mathematics Curriculum | | Key Programmes |
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| In line with the requirements of the Additional 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 | Back to School Programme | |
| Week 1 | 11.1 Derivatives and gradient functions (pp.2–6) | |
| Week 2 | 11.2 Five rules of differentiation (pp.6–16) | |
| Week 3 | 11.3 Higher derivatives (pp.16–18) 11.4 Increasing and decreasing functions (pp.19–22) | |
| Week 4 | Review of Chapter 11 | |
| Week 5 | 12.1 Equations of tangent and normal (pp.26–30) | |
| Week 6 | 12.2 Rates of change (pp.31–37) | |
| Week 7 (CNY 16 to 18 Feb) | 12.3 Stationary points (pp.38–48) | |
| Week 8 (Fri - HBL) | 12.4 Maximisation and minimisation problems (pp.49–56) | |
| Week 9 (Fri - HBL) | Revision for WA1 | |
| Week 10 | 12.4 Maximisation and minimisation problems (pp.49–56) Review of Chapter 12 | WA1 |
| March Holiday | | |
| Term 2 | Chapter | Assessment |
| Week 1 (23 Mar, Mon – Hari Raya Puasa School Hol) | 14.1 Integration as reverse of differentiation (pp.91–94) | |
| Week 2 (Good Friday) | 14.2 Two rules of integration (p.94) | |
| Week 3 | 14.3 Integration of power functions (pp.95–102) Review of Chapter 14 15.1 Definite integrals (pp.119–127) | |
| Week 4 (Fri - HBL) | 15.2 Further examples of definite integrals (pp.127–131) | |
| Week 5 | 15.3 Area under a curve | |

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| (Fri - HBL) | (pp.132–143) Review on Chapter 15 | |
| Week 6 (Labour Day) | Sec 3 Topics Revision Chapter 1 & 2 | WA2 |
| Week 7 (SLF) | Student Learning Festival | |
| Week 8 | Sec 3 Topics Revision Chapter 3 & 4 | |
| Week 9 (Cross Country) | Sec 3 Topics Revision Chapter 7 | |
| Week 10 (27 May Wed - Hari Raya Haji) | Mother Tongue Intensive Sec 3 Topics Revision Chapter 9 | |
| June Holiday Assignment | | |

| Term 3 | Chapter | Assessment |
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| Week 1 | Sec 3 Topics Revision Chapter 10 & 11 | |
| Week 2 (6 Jul Mon – Youth Day) | Sec 4 Topics Revision Chapter 12 TYS 2022 | Timed Practice (During Consultation) |
| Week 3 (HBL: Tue – Thu) | HBL due to National Oral Exam Prelim 2023 | |
| Week 4 | TYS 2021 Prelim 2022 | |
| Week 5 | Prelim Exam (Sec 4NA) | |
| Week 6 (7 Aug, Fri – National Day School Celebration) | Prelim Exam (Sec 4NA) | |
| Week 5-7 (10 Aug Mon – School Holiday) | Prelim Exam (Sec 4NA) | Prelim |
| Week 8 - 9 | Review of Prelim Exam | |
| Week 9 and 10 (4 Sep Thu - Teachers' Day celeb) (5 Sep Fri -Teachers' Day Celebration) | Revision: TYS 2024, Past year papers | |
| September Holiday | | |
| Term 4 | Chapter | Assessment |
| Week 1 - 2 | GCE N Level Written Examination | |
| Week 3 | Revision | |
| Week 4 -5 | GCE N Level Written Examination | |