

Sec 3 Math Tuition Center • Printable Checklist (2 pages max)

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Sec 3 Mathematics Success Checklist

For Secondary 3 (Singapore). A fast checklist for Maths (4052) and Additional Maths (4049) readiness.

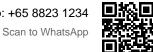
Why tuition support now ☐ Sec 3 is the jump to upper secondary: more functions, graphs, proofs and multi-step problems. ☐ Small gaps from Sec 1-2 snowball; a weekly plan prevents panic later. ☐ Small-group tuition helps students build method-mark habits and fix mistakes fast. Sec 3 syllabus snapshot (what you should see covered)		
How we want the best for our Sec 3 Maths students ☐ Concept clarity (no memorising without understanding). ☐ Method-mark discipline (clear working and clean graphs). ☐ Fewer careless mistakes (checking routine + calculator habits). ☐ Confidence under pressure (time management and calmness).		
Weekly routine (simple and effective)		
2 focused practice sessions (60-90 min): one concept, one mixed.		
 1 timed set (20-30 min) + immediate review. 10 min error log: tag mistake + write the fix. 		
Spaced recall: redo 3 guestions from 7-14 days ago		

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Mastery checklist (tick as you master)		
 □ Factorise confidently (incl. quadratics). □ Quadratics: solve (3 methods) and sketch. □ Inequalities: regions and number line. 	☐ Algebraic fractions: simplify and solve. ☐ Simultaneous equations (incl. linear-quadratic). ☐ Graphs: scale, labels, key features.	
☐ Circle theorems with correct reasons.	☐Mensuration: radians/arc, units, rounding.	
☐ Bearings: neat diagram then solve.	☐Trig: use correct formula for the situation.	
Statistics: choose method and read graphs.	☐ Probability: AND/OR, tree diagrams when useful.	
☐ A-Math: surds, polynomials, binomial.	☐A-Math: exp/log + differentiation/integration basics.	
Top avoidable mistakes		
☐ Not enough working (lose method marks).	□Wrong calculator mode (DEG vs RAD).	
☐ Rounding too early.	☐Missing brackets / sign errors.	
☐ Graph labels or scale missing.	☐Spending too long on low-mark questions.	
Official MOE/SEAB links (save these)		
☐ MOE: Secondary syllabuses (Mathematics): https://www.moe.gov.sg/secondary/syllabus☐ SEAB 4052 Mathematics (2026) PDF:		
https://www.seab.gov.sg/files/O%20Lvl%20Syllabus%20Private%20Cddts/2026/4052_y26_sy.pdf		
☐ SEAB 4049 Additional Mathematics (2026) PDF: https://www.seab.gov.sg/files/O%20Lvl%20Syllabus%20Private%20Cddts/2026/4049_y26_sy.pdf		
SEAB approved calculators: https://www.seab.gov.sg/approved-calculators/		
Need a personalised Sec 3 plan? WhatsApp +65 8823 1234 (scan the QR in the top banner).		