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G3 Additional Mathematics (A-Math) - Distinction Checklist

For Secondary 3-4 students offering A-Math at the **G3** level (Full SBB). Built from the official SEAB syllabus 4049 (examined in 2026).

What is G3 A-Math?

G3 is the most demanding subject level under MOE Full Subject-Based Banding (mapped from former Express).

A-Math is an advanced elective that strengthens algebra, trigonometry and calculus - and is designed as preparation for A-Level H2 Mathematics.

Paper	Duration	What to expect
Paper 1	2h 15m	12-14 questions • up to 10 marks each • answer ALL • 90 marks (50%)
Paper 2	2h 15m	9-11 questions • up to 12 marks each • answer ALL • 90 marks (50%)
Both papers	—	Approved calculator allowed • show essential working • accuracy rules (e.g., 3 s.f. for non-exact answers)

What examiners reward (AO weightings, approx.): AO1 35% (skills) • AO2 50% (problem-solving) • AO3 15% (reasoning & proof). Translation: learn to connect topics, not just drill chapters.

What to master (3 strands)

Algebra	Quadratics • surds • polynomials/partial fractions • binomial • logs/exp
Geo & Trig	Trig graphs/identities/equations • circles • proofs
Calculus	Differentiate/integrate + applications (max/min, area, kinematics)

Readiness scorecard (tick honestly)

- | | |
|--|---|
| <input type="checkbox"/> Algebra fluency (simplify, factorise, surds) | <input type="checkbox"/> Trig graphs (sin/cos transforms) |
| <input type="checkbox"/> Quadratics (complete square, discriminant) | <input type="checkbox"/> Differentiation rules (incl. chain rule) |
| <input type="checkbox"/> Partial fractions (decompose fast) | <input type="checkbox"/> Applications (tangent, max/min, rates) |
| <input type="checkbox"/> Logs/exponentials (laws + equations) | <input type="checkbox"/> Integration & area (definite integrals) |
| <input type="checkbox"/> Trig identities & equations (within interval) | <input type="checkbox"/> Exam skill (working + time control) |

Alpha focus: Stop leaking marks. Show essential working, keep algebra clean, and protect the easy marks early in each paper.

BukitTimahTutor.com

G3 A-Math (Additional Mathematics) - 2-Page Checklist

Source page: bukittimahtutor.com/additional-math-syllabus-tutor-g3-...

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High-alpha routine (30-60 min/day)

10 min	Recall: write key identities/formulae from memory.
15-20 min	Micro-drill: 4-6 short questions on ONE skill.
15-20 min	Mixed: 1 structured question combining topics.
5-10 min	Error log: mistake -> fix rule -> redo once.

Exam-day checklist

- Circle calculator mode (DEG/RAD) before you start.
- Write restrictions first (logs, denominators).
- Box key steps; method marks matter.
- Round properly (3 s.f. unless stated).
- If stuck: skip + return (don't donate time).

Why tuition helps (for G3 A-Math)

- Diagnosis:** pinpoint the exact weak link (often algebra).
- Clarity:** first-principles explanations that survive 'novel' questions.
- Training:** timed papers + marking so mistakes stop repeating.

Need help? WhatsApp **+65 8823 1234** (scan the QR in the header) for a consultation on G3 A-Math tuition.

Official references

- SEAB 4049 Additional Mathematics (2026) syllabus PDF
- MOE Full SBB: G1/G2/G3 subject levels