

HSC maths outcome coverage matrix

A faculty audit of planned, taught, learned and assessed evidence

curriq | Faculty audit of planned, taught and assessed evidence

Verified 3 August 2026. The 2026 HSC uses the applicable 2017 mathematics syllabus; the 2024 syllabuses are first examined in the 2027 HSC. Verify current sources and local requirements before use.

Use and limits

This is a local audit tool, not an official NESA form or a declaration of compliance. The short descriptors below are navigation aids. Verify exact wording, content and course requirements in the applicable official syllabus before using the matrix in an approved program or assessment record.

Cohort	Syllabus check	Audit action
Students sitting the 2026 HSC	Use the applicable 2017 Standard 2, Advanced, Extension 1 or Extension 2 syllabus.	Use the pre-populated 2017 course sheet, verify every code, then attach ordinary program and student evidence.
Students first sitting the HSC in 2027	Use the applicable 2024 syllabus.	Create a separate 2024 matrix from the official outcomes page; never carry the 2017 codes forward.
Accelerants / unusual pathways	Confirm the examination year and syllabus for that particular cohort.	Record the official source and local decision before mapping.

Audit columns

- Planned location records where the outcome and relevant content are intended to appear.
- Taught evidence records what actually occurred; a program entry alone is not delivery evidence.
- Student learning evidence identifies a work sample, check or response, not merely worksheet completion.
- Formal task and item identify assessed evidence where applicable; not every outcome must appear in every task.
- Confidence and gap columns separate verified evidence, weak evidence, missing documentation and a true teaching gap.

Standard 2 - 2026 HSC / 2017 syllabus outcome register

Verify these codes and the full official wording against the applicable syllabus before use. Add content references so a broad outcome does not conceal an unaddressed topic.

Code	Short audit descriptor	Content reference	Planned	Taught / learning evidence	Formal task / item	Gap / action
MS2-12-1	Algebraic and graphical techniques; constructing and evaluating arguments	[Verify exact content]	☐	☐	☐	☐
MS2-12-2	Data representations, inferences, predictions and conclusions	[Verify exact content]	☐	☐	☐	☐
MS2-12-3	Measurement, accuracy, conversions and reasonableness	[Verify exact content]	☐	☐	☐	☐
MS2-12-4	Two- and three-dimensional models in practical problems	[Verify exact content]	☐	☐	☐	☐
MS2-12-5	Financial decisions, annuities and loan repayments	[Verify exact content]	☐	☐	☐	☐
MS2-12-6	Algebraic and graphical representations of changing quantities	[Verify exact content]	☐	☐	☐	☐
MS2-12-7	Statistical processes, normal distributions and bivariate data	[Verify exact content]	☐	☐	☐	☐
MS2-12-8	Networks for decisions and practical problems	[Verify exact content]	☐	☐	☐	☐
MS2-12-9	Appropriate use of technology and critical judgement	[Verify exact content]	☐	☐	☐	☐
MS2-12-10	Mathematical reasoning, evaluation and communication	[Verify exact content]	☐	☐	☐	☐

Advanced - 2026 HSC / 2017 syllabus outcome register

Verify these codes and the full official wording against the applicable syllabus before use. Add content references so a broad outcome does not conceal an unaddressed topic.

Code	Short audit descriptor	Content reference	Planned	Taught / learning evidence	Formal task / item	Gap / action
MA12-1	Algebraic and graphical techniques; modelling and evaluating arguments	[Verify exact content]	[]	[]	[]	[]
MA12-2	Mathematical modelling and reasoning in financial situations	[Verify exact content]	[]	[]	[]	[]
MA12-3	Calculus techniques for modelling and solving problems	[Verify exact content]	[]	[]	[]	[]
MA12-4	Arithmetic and geometric sequences and series	[Verify exact content]	[]	[]	[]	[]
MA12-5	Periodic functions and trigonometric graphs	[Verify exact content]	[]	[]	[]	[]
MA12-6	Differentiation methods and applications	[Verify exact content]	[]	[]	[]	[]
MA12-7	Indefinite and definite integration	[Verify exact content]	[]	[]	[]	[]
MA12-8	Statistical processes and problem solving	[Verify exact content]	[]	[]	[]	[]
MA12-9	Appropriate use of technology and critical judgement	[Verify exact content]	[]	[]	[]	[]
MA12-10	Proof, justification and communication	[Verify exact content]	[]	[]	[]	[]

Extension 1 - 2026 HSC / 2017 syllabus outcome register

Verify these codes and the full official wording against the applicable syllabus before use. Add content references so a broad outcome does not conceal an unaddressed topic.

Code	Short audit descriptor	Content reference	Planned	Taught / learning evidence	Formal task / item	Gap / action
ME12-1	Proof and calculus techniques for modelling and problem solving	[Verify exact content]	[]	[]	[]	[]
ME12-2	Vectors, projectiles and related problem solving	[Verify exact content]	[]	[]	[]	[]
ME12-3	Advanced compound-angle techniques and trigonometric equations	[Verify exact content]	[]	[]	[]	[]
ME12-4	Applied calculus, including differential equations and volumes of revolution	[Verify exact content]	[]	[]	[]	[]
ME12-5	Statistical processes for presenting, analysing and interpreting data	[Verify exact content]	[]	[]	[]	[]
ME12-6	Appropriate use of technology in varied contexts	[Verify exact content]	[]	[]	[]	[]
ME12-7	Evaluation, justification and mathematical communication	[Verify exact content]	[]	[]	[]	[]

Extension 2 - 2026 HSC / 2017 syllabus outcome register

Verify these codes and the full official wording against the applicable syllabus before use. Add content references so a broad outcome does not conceal an unaddressed topic.

Code	Short audit descriptor	Content reference	Planned	Taught / learning evidence	Formal task / item	Gap / action
MEX12-1	Representations of numbers and functions for modelling, proof and problem solving	[Verify exact content]	[]	[]	[]	[]
MEX12-2	Strategies for constructing arguments and proofs	[Verify exact content]	[]	[]	[]	[]
MEX12-3	Vectors for two- and three-dimensional modelling and problem solving	[Verify exact content]	[]	[]	[]	[]
MEX12-4	Algebraic and geometric complex-number representations	[Verify exact content]	[]	[]	[]	[]
MEX12-5	Integration techniques in structured and unstructured problems	[Verify exact content]	[]	[]	[]	[]
MEX12-6	Mechanics modelling and practical problem solving	[Verify exact content]	[]	[]	[]	[]
MEX12-7	Mathematical techniques in structured, unstructured and multistep problems	[Verify exact content]	[]	[]	[]	[]
MEX12-8	Communication and justification of abstract ideas	[Verify exact content]	[]	[]	[]	[]

Faculty review record

Finding	Evidence checked	Confidence	Risk / consequence	Agreed action	Owner / review
[]	[Syllabus, program, work, task]	[Verified / partial / absent]	[]	[Teach / collect / correct map]	[]
[]	[]	[]	[]	[]	[]
[]	[]	[]	[]	[]	[]

Official sources

NESA mathematics curriculum and 2017 course links:
<https://www.nsw.gov.au/education-and-training/nesa/curriculum/mathematics>

NSW Curriculum mathematics syllabuses and outcome lookup:
<https://curriculum.nsw.edu.au/learning-areas/mathematics>

Curriculum reform timeline:
<https://www.nsw.gov.au/education-and-training/nesa/about/strategies-and-reforms/curriculum-reform/timeline>

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