

PSLE Checkpoint Primary 2 Mathematics Knowledge Point List

V4 MOE-refined 40-week plan | Corrected level boundaries, complete coverage and independently assessable knowledge points

Plan at a Glance

Annual Weeks	40
Atomic Knowledge Points	165
Pure MOE Core Weeks	28
Spiral / Transfer Weeks	6
KP Range per Week	4-5



Curriculum Design Rules

1	MOE foundation	All required P2 content is retained as the non-negotiable core.
2	Concrete-pictorial-abstract progression	New ideas begin with objects and pictures before symbolic fluency and transfer.
3	Spiral retrieval	Important number facts, operations, measurement, geometry and data ideas are revisited across terms.
4	Atomic assessment	Every KP describes one observable outcome that can be assessed independently.
5	Advanced but age-appropriate	Extension is limited to reasoning, representation, strategy choice and unfamiliar application rather than premature upper-primary content.

Workbook Structure

Weekly KP Plan	40-week sequence with 4-5 KPs, spiral retrieval and assessment emphasis.
Atomic KP Register	One row per assessable KP with stable identifiers and evidence requirements.
Spiral Map	Shows when each important family is introduced, developed and consolidated.
MOE Coverage Audit	Cross-checks the complete P2 syllabus scope against the weekly allocation.
Sources & Notes	Records source scope, codes and curriculum interpretation rules.

Primary 2 Mathematics - Complete Weekly Knowledge Point Plan

Each week contains 4-5 assessable KPs. Review weeks retrieve taught content and require reasoning, checking and transfer.

Term	Term Week	Annual Week	KP Count	Domain	Primary Family	Learning Stage	Core Status	Weekly Focus	Assessable Knowledge Points	Spiral Retrieval	Assessment Emphasis	Progression Note
1	1	1	4	Number & Algebra	NA-WN	Develop	MOE Core	Numbers to 1000: place value	1. Count in tens and hundreds 2. Represent numbers with hundreds tens and ones 3. Read and write numbers to 1000 4. State digit values and expanded form	Retrieve high-value P1 prerequisites	Concept recognition, procedural accuracy, application and explanation	Develop numbers to 1000: place value through accurate representations, explanation, strategy choice and one unfamiliar application.
1	2	2	4	Number & Algebra	NA-WN	Develop	MOE Core	Numbers to 1000: comparison and patterns	1. Compare and order 3-digit numbers 2. Locate numbers on an open number line 3. Continue sequences in ones tens and hundreds 4. Identify odd and even numbers	Retrieve: Numbers to 1000: place value; cumulative fluency from earlier terms.	Concept recognition, procedural accuracy, application and explanation	Develop numbers to 1000: comparison and patterns through accurate representations, explanation, strategy choice and one unfamiliar application.
1	3	3	4	Number & Algebra	NA-AS	Develop	MOE Core	Addition within 1000	1. Add up to three digits using the standard algorithm 2. Rename across one or more place values 3. Estimate sums using compatible numbers 4. Check addition using subtraction	Retrieve: Numbers to 1000: comparison and patterns; cumulative fluency from earlier terms.	Concept recognition, procedural accuracy, application and explanation	Develop addition within 1000 through accurate representations, explanation, strategy choice and one unfamiliar application.
1	4	4	4	Number & Algebra	NA-AS	Develop	MOE Core	Subtraction within 1000	1. Subtract up to three digits using the standard algorithm 2. Rename across one or more place values 3. Estimate differences 4. Check subtraction using addition	Retrieve: Addition within 1000; cumulative fluency from earlier terms.	Concept recognition, procedural accuracy, application and explanation	Develop subtraction within 1000 through accurate representations, explanation, strategy choice and one unfamiliar application.
1	5	5	4	Number & Algebra	NA-AS	Develop	MOE Core	Mental addition and subtraction	1. Add and subtract ones tens or hundreds mentally 2. Bridge through multiples of 10 or 100 3. Use compensation and partitioning 4. Compare the efficiency of two strategies	Retrieve: Subtraction within 1000; cumulative fluency from earlier terms.	Concept recognition, procedural accuracy, application and explanation	Develop mental addition and subtraction through accurate representations, explanation, strategy choice and one unfamiliar application.
1	6	6	4	Problem Solving & Mathematical Processes	NA-AS	Develop	MOE Core	Addition and subtraction word problems	1. Solve one-step and two-part problems 2. Use part-whole and comparison models 3. Identify unnecessary information 4. Write statements with correct units	Retrieve: Mental addition and subtraction; cumulative fluency from earlier terms.	Structured problem solving, method choice, reasoning and checking	Develop addition and subtraction word problems through accurate representations, explanation, strategy choice and one unfamiliar application.
1	7	7	4	Measurement & Geometry	MG-MEAS	Develop	MOE Core	Length in centimetres and metres	1. Measure and draw in centimetres 2. Measure and compare in metres 3. Choose an appropriate unit 4. Solve addition and subtraction length problems	Retrieve: Addition and subtraction word problems; cumulative fluency from earlier terms.	Concept recognition, procedural accuracy, application and explanation	Develop length in centimetres and metres through accurate representations, explanation, strategy choice and one unfamiliar application.
1	8	8	4	Number & Algebra	NA-MD	Develop	MOE Core	Multiplication and division concepts	1. Represent equal groups arrays and repeated addition 2. Represent sharing and grouping division 3. Relate multiplication and division 4. Write fact families	Retrieve: Length in centimetres and metres; cumulative fluency from earlier terms.	Concept recognition, procedural accuracy, application and explanation	Develop multiplication and division concepts through accurate representations, explanation, strategy choice and one unfamiliar application.
1	9	9	4	Number & Algebra	NA-MD	Develop	MOE Core	Tables of 2 5 and 10	1. Recall multiplication facts for 2 5 and 10 2. Apply corresponding division facts 3. Use patterns to derive unknown facts 4. Solve equal-group problems	Retrieve: Multiplication and division concepts; cumulative fluency from earlier terms.	Concept recognition, procedural accuracy, application and explanation	Develop tables of 2 5 and 10 through accurate representations, explanation, strategy choice and one unfamiliar application.
1	10	10	5	Problem Solving & Mathematical Processes	PS-REASON	Master / Transfer	Spiral Maintenance / Transfer	Term 1 mastery and reasoning	1. Retrieve place value and operations to 1000 2. Solve a two-step additive problem 3. Apply length measurement 4. Use table facts in context 5. Explain and verify one solution	Retrieve: Tables of 2 5 and 10; cumulative fluency from earlier terms.	Structured problem solving, method choice, reasoning and checking	Develop term 1 mastery and reasoning through accurate representations, explanation, strategy choice and one unfamiliar application.
2	1	11	4	Measurement & Geometry	MG-MEAS	Develop	MOE Core	Mass	1. Compare mass directly and indirectly 2. Measure mass in kilograms and grams 3. Choose an appropriate mass unit 4. Solve simple mass problems	Retrieve: Term 1 mastery and reasoning; cumulative fluency from earlier terms.	Concept recognition, procedural accuracy, application and explanation	Develop mass through accurate representations, explanation, strategy choice and one unfamiliar application.

Term	Term Week	Annual Week	KP Count	Domain	Primary Family	Learning Stage	Core Status	Weekly Focus	Assessable Knowledge Points	Spiral Retrieval	Assessment Emphasis	Progression Note
2	2	12	4	Measurement & Geometry	MG-MEAS	Develop	MOE Core	Time to the minute and duration	1. Tell and write time to the minute 2. Measure time in hours and minutes 3. Convert hours and minutes to minutes and vice versa 4. Find a starting time finishing time or duration in familiar contexts	Retrieve: Mass; cumulative fluency from earlier terms.	Concept recognition, procedural accuracy, application and explanation	Develop time to five minutes through accurate representations, explanation, strategy choice and one unfamiliar application.
2	3	13	4	Number & Algebra	NA-MD	Develop	MOE Core	Tables of 3 and 4	1. Recall multiplication facts for 3 and 4 2. Apply corresponding division facts 3. Use doubling to derive 4-times facts 4. Solve contextual multiplication and division	Retrieve: Time to five minutes; cumulative fluency from earlier terms.	Concept recognition, procedural accuracy, application and explanation	Develop tables of 3 and 4 through accurate representations, explanation, strategy choice and one unfamiliar application.
2	4	14	4	Number & Algebra	NA-MD	Develop	MOE Core	Mixed multiplication and division	1. Select multiplication or division from context 2. Find missing factors or quotients 3. Use bar models for equal-group problems 4. Check division with multiplication	Retrieve: Tables of 3 and 4; cumulative fluency from earlier terms.	Concept recognition, procedural accuracy, application and explanation	Develop mixed multiplication and division through accurate representations, explanation, strategy choice and one unfamiliar application.
2	5	15	4	Measurement & Geometry	MG-MEAS	Develop	MOE Core	Money in dollars and cents	1. Count mixed coins and notes 2. Read and write decimal money notation 3. Compare money amounts 4. Convert between cents and dollar notation	Retrieve: Mixed multiplication and division; cumulative fluency from earlier terms.	Concept recognition, procedural accuracy, application and explanation	Develop money in dollars and cents through accurate representations, explanation, strategy choice and one unfamiliar application.
2	6	16	4	Problem Solving & Mathematical Processes	MG-MEAS	Develop	MOE Core	Money problems	1. Add and subtract money 2. Find change 3. Solve two-part purchase problems 4. Check whether an amount is sufficient	Retrieve: Money in dollars and cents; cumulative fluency from earlier terms.	Structured problem solving, method choice, reasoning and checking	Develop money problems through accurate representations, explanation, strategy choice and one unfamiliar application.
2	7	17	4	Number & Algebra	NA-FR	Introduce	MOE Core	Fractions as part of a whole	1. Identify equal parts of a whole 2. Read and write fraction notation 3. Identify numerator and denominator informally 4. Represent unit and non-unit fractions	Retrieve: Money problems; cumulative fluency from earlier terms.	Concept recognition, procedural accuracy, application and explanation	Develop fractions as part of a whole through accurate representations, explanation, strategy choice and one unfamiliar application.
2	8	18	4	Number & Algebra	NA-FR	Develop	MOE Core	Comparing and ordering fractions	1. Compare unit fractions 2. Compare like fractions 3. Order fractions with common denominators 4. Justify comparison using models	Retrieve: Fractions as part of a whole; cumulative fluency from earlier terms.	Concept recognition, procedural accuracy, application and explanation	Develop comparing and ordering fractions through accurate representations, explanation, strategy choice and one unfamiliar application.
2	9	19	4	Number & Algebra	NA-FR	Develop	MOE Core	Adding and subtracting like fractions	1. Add like fractions within one whole 2. Subtract like fractions within one whole 3. Use visual models to explain operations 4. Solve simple fraction stories	Retrieve: Comparing and ordering fractions; cumulative fluency from earlier terms.	Concept recognition, procedural accuracy, application and explanation	Develop adding and subtracting like fractions through accurate representations, explanation, strategy choice and one unfamiliar application.
2	10	20	5	Problem Solving & Mathematical Processes	PS-REASON	Master / Transfer	Spiral Maintenance / Transfer	Term 2 mastery and transfer	1. Retrieve tables 2 3 4 5 and 10 2. Apply money mass and time 3. Compare and operate on simple fractions 4. Solve mixed two-step problems 5. Use inverse operations to check	Retrieve: Adding and subtracting like fractions; cumulative fluency from earlier terms.	Structured problem solving, method choice, reasoning and checking	Develop term 2 mastery and transfer through accurate representations, explanation, strategy choice and one unfamiliar application.
3	1	21	4	Measurement & Geometry	MG-MEAS	Develop / Apply	MOE Core	Liquid volume in litres	1. Compare liquid volumes directly and indirectly 2. Measure liquid volume in litres 3. Read simple litre scales accurately 4. Solve addition and subtraction problems involving liquid volume	Retrieve: Term 2 mastery and transfer; cumulative fluency from earlier terms.	Concept recognition, procedural accuracy, application and explanation	Develop volume and capacity through accurate representations, explanation, strategy choice and one unfamiliar application.
3	2	22	4	Statistics	ST-DATA	Develop / Apply	MOE Core	Picture graphs with scales	1. Read picture graphs with one-to-one and simple scales 2. Interpret legends accurately 3. Find totals and differences 4. Complete a graph from a data table	Retrieve: Volume and capacity; cumulative fluency from earlier terms.	Data reading, calculation, interpretation and evidence	Develop picture graphs with scales through accurate representations, explanation, strategy choice and one unfamiliar application.
3	3	23	4	Statistics	ST-DATA	Develop / Apply	MOE Core	Data interpretation	1. Ask multi-part questions from picture graphs 2. Compare categories using multiplication or addition 3. Identify supported and unsupported claims 4. Explain a simple trend or pattern	Retrieve: Picture graphs with scales; cumulative fluency from earlier terms.	Data reading, calculation, interpretation and evidence	Develop data interpretation through accurate representations, explanation, strategy choice and one unfamiliar application.

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3	4	24	5	Measurement & Geometry	MG-GEO	Develop / Apply	MOE Core	2D shape patterns and attributes	1. Make and complete 2D shape patterns using one attribute 2. Make and complete 2D shape patterns using two attributes 3. Identify pattern rules involving size shape colour or orientation 4. Find a missing shape in a pattern 5. Create and explain a 2D shape pattern	Retrieve: Data interpretation; cumulative fluency from earlier terms.	Concept recognition, procedural accuracy, application and explanation	Develop 2d shapes and properties through accurate representations, explanation, strategy choice and one unfamiliar application.
3	5	25	4	Measurement & Geometry	MG-GEO	Develop / Apply	MOE Core	3D shapes: identification and classification	1. Identify and name cubes cuboids cones cylinders and spheres 2. Describe 3D shapes using observable properties 3. Classify familiar 3D shapes 4. Match real objects to their 3D shapes	Retrieve: 2D shapes and properties; cumulative fluency from earlier terms.	Concept recognition, procedural accuracy, application and explanation	Develop 3d objects and spatial visualisation through accurate representations, explanation, strategy choice and one unfamiliar application.
3	6	26	4	Number & Algebra	NA-AS	Consolidate	Spiral Maintenance / Transfer	Addition and subtraction consolidation	1. Solve mixed calculations within 1000 2. Find missing numbers in equations 3. Use estimation before exact calculation 4. Analyse and correct algorithm errors	Retrieve: 3D objects and spatial visualisation; cumulative fluency from earlier terms.	Concept recognition, procedural accuracy, application and explanation	Develop addition and subtraction consolidation through accurate representations, explanation, strategy choice and one unfamiliar application.
3	7	27	4	Number & Algebra	NA-MD	Consolidate	Spiral Maintenance / Transfer	Multiplication and division consolidation	1. Retrieve all P2 multiplication tables 2. Use multiplication and division fact families 3. Solve mixed equal-group problems 4. Interpret simple remainders as an extension	Retrieve: Addition and subtraction consolidation; cumulative fluency from earlier terms.	Concept recognition, procedural accuracy, application and explanation	Develop multiplication and division consolidation through accurate representations, explanation, strategy choice and one unfamiliar application.
3	8	28	4	Problem Solving & Mathematical Processes	PS-REASON	Develop / Apply	MOE Core	Two-step word problems	1. Identify two linked operations 2. Use bar models to organise information 3. Solve additive and multiplicative combinations 4. Check each stage of a solution	Retrieve: Multiplication and division consolidation; cumulative fluency from earlier terms.	Structured problem solving, method choice, reasoning and checking	Develop two-step word problems through accurate representations, explanation, strategy choice and one unfamiliar application.
3	9	29	4	Number & Algebra	NA-ALG	Develop / Apply	MOE Core + Advanced Bridge	Patterns and early functional thinking	1. Describe growing number patterns 2. Find missing terms using a rule 3. Relate input and output in a simple table 4. Create a pattern satisfying two conditions	Retrieve: Two-step word problems; cumulative fluency from earlier terms.	Concept recognition, procedural accuracy, application and explanation	Develop patterns and early functional thinking through accurate representations, explanation, strategy choice and one unfamiliar application.
3	10	30	5	Problem Solving & Mathematical Processes	PS-REASON	Master / Transfer	Advanced Bridge / Extension	Term 3 mastery and challenge	1. Integrate number measurement fractions and data 2. Solve a non-routine classification problem 3. Compare two valid methods 4. Explain an error and improve the solution 5. Complete a timed mixed-fluency check	Retrieve: Patterns and early functional thinking; cumulative fluency from earlier terms.	Structured problem solving, method choice, reasoning and checking	Develop term 3 mastery and challenge through accurate representations, explanation, strategy choice and one unfamiliar application.
4	1	31	4	Number & Algebra	PS-REASON	Extend	Advanced Bridge / Extension	Advanced place-value applications	1. Find numbers from digit clues 2. Form greatest and least numbers under conditions 3. Reason about 1 10 or 100 more or less 4. Solve number-line estimation problems	Retrieve: Term 3 mastery and challenge; cumulative fluency from earlier terms.	Concept recognition, procedural accuracy, application and explanation	Develop advanced place-value applications through accurate representations, explanation, strategy choice and one unfamiliar application.
4	2	32	4	Problem Solving & Mathematical Processes	PS-REASON	Extend	Advanced Bridge / Extension	Advanced additive reasoning	1. Solve comparison problems with an unknown start 2. Solve two-step change problems 3. Use working backward in simple contexts 4. Write an equation from a bar model	Retrieve: Advanced place-value applications; cumulative fluency from earlier terms.	Structured problem solving, method choice, reasoning and checking	Develop advanced additive reasoning through accurate representations, explanation, strategy choice and one unfamiliar application.
4	3	33	4	Problem Solving & Mathematical Processes	PS-REASON	Extend	Advanced Bridge / Extension	Advanced multiplicative reasoning	1. Solve grouping problems with an unknown number of groups 2. Solve sharing problems with an unknown group size 3. Compare additive and multiplicative situations 4. Create a word problem for a given equation	Retrieve: Advanced additive reasoning; cumulative fluency from earlier terms.	Structured problem solving, method choice, reasoning and checking	Develop advanced multiplicative reasoning through accurate representations, explanation, strategy choice and one unfamiliar application.
4	4	34	4	Measurement & Geometry	MG-MEAS	Consolidate	MOE Core	Measurement integration	1. Choose among cm m g kg and litres 2. Convert simple familiar measures without formal algorithms 3. Compare measurements in context 4. Solve two-step measurement problems	Retrieve: Advanced multiplicative reasoning; cumulative fluency from earlier terms.	Concept recognition, procedural accuracy, application and explanation	Develop measurement integration through accurate representations, explanation, strategy choice and one unfamiliar application.
4	5	35	4	Measurement & Geometry	MG-MEAS	Consolidate	MOE Core	Time and money integration	1. Read schedules with familiar times 2. Find simple duration across an hour 3. Plan purchases within a budget 4. Solve change and time problems	Retrieve: Measurement integration; cumulative fluency from earlier terms.	Concept recognition, procedural accuracy, application and explanation	Develop time and money integration through accurate representations, explanation, strategy choice and one unfamiliar application.

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4	6	36	4	Number & Algebra	NA-FR	Consolidate	MOE Core + Advanced Bridge	Fraction reasoning extension	1. Find a fraction of a small set using objects 2. Recognise equivalent halves and quarters visually 3. Complete one whole with like fractions 4. Explain why unequal parts are not fractions of a whole	Retrieve: Time and money integration; cumulative fluency from earlier terms.	Concept recognition, procedural accuracy, application and explanation	Develop fraction reasoning extension through accurate representations, explanation, strategy choice and one unfamiliar application.
4	7	37	4	Statistics	ST-DATA	Consolidate	MOE Core	Data investigation	1. Collect categorical data 2. Organise data in a tally table 3. Represent data in a picture graph 4. State a conclusion supported by the data	Retrieve: Fraction reasoning extension; cumulative fluency from earlier terms.	Data reading, calculation, interpretation and evidence	Develop data investigation through accurate representations, explanation, strategy choice and one unfamiliar application.
4	8	38	4	Problem Solving & Mathematical Processes	PS-MODEL	Consolidate	MOE Core	Mixed-model problem solving	1. Choose part-whole comparison or equal-group models 2. Represent a two-step problem 3. Identify a hidden question 4. Check using a different method	Retrieve: Data investigation; cumulative fluency from earlier terms.	Structured problem solving, method choice, reasoning and checking	Develop mixed-model problem solving through accurate representations, explanation, strategy choice and one unfamiliar application.
4	9	39	4	Problem Solving & Mathematical Processes	PS-REASON	Master / Transfer	Spiral Maintenance / Transfer	P2 cumulative assessment preparation	1. Retrieve all core arithmetic facts 2. Apply all measurement and data skills 3. Solve multi-topic two-step problems 4. Interpret mathematical language precisely	Retrieve: Mixed-model problem solving; cumulative fluency from earlier terms.	Structured problem solving, method choice, reasoning and checking	Develop p2 cumulative assessment preparation through accurate representations, explanation, strategy choice and one unfamiliar application.
4	10	40	5	Problem Solving & Mathematical Processes	PS-REASON	Master / Transfer	Spiral Maintenance / Transfer	P2 year-end mastery and P3 readiness	1. Master whole numbers to 1000 2. Master addition subtraction and core tables 3. Apply fractions money time mass length and volume 4. Interpret picture graphs and shapes 5. Reason communicate and verify independently	Retrieve: P2 cumulative assessment preparation; cumulative fluency from earlier terms.	Structured problem solving, method choice, reasoning and checking	Develop p2 year-end mastery and p3 readiness through accurate representations, explanation, strategy choice and one unfamiliar application.

Primary 2 Mathematics - Atomic Knowledge Point Register

Stable KP identifiers support assessment generation, error analysis and future curriculum maintenance.

KP ID	Week KP ID	Annual Week	Term	Weekly Focus	Spiral Family	Domain	Learning Stage	Core Status	Atomic Knowledge Point	Assessable Evidence
NA-WN-001	P2-W01-KP1	1	1	Numbers to 1000: place value	NA-WN	Number & Algebra	Develop	MOE Core	Count in tens and hundreds	Demonstrate “Count in tens and hundreds” accurately in one direct item and one age-appropriate contextual application.
NA-WN-002	P2-W01-KP2	1	1	Numbers to 1000: place value	NA-WN	Number & Algebra	Develop	MOE Core	Represent numbers with hundreds tens and ones	Demonstrate “Represent numbers with hundreds tens and ones” accurately in one direct item and one age-appropriate contextual application.
NA-WN-003	P2-W01-KP3	1	1	Numbers to 1000: place value	NA-WN	Number & Algebra	Develop	MOE Core	Read and write numbers to 1000	Demonstrate “Read and write numbers to 1000” accurately in one direct item and one age-appropriate contextual application.
NA-WN-004	P2-W01-KP4	1	1	Numbers to 1000: place value	NA-WN	Number & Algebra	Develop	MOE Core	State digit values and expanded form	Demonstrate “State digit values and expanded form” accurately in one direct item and one age-appropriate contextual application.
NA-WN-005	P2-W02-KP1	2	1	Numbers to 1000: comparison and patterns	NA-WN	Number & Algebra	Develop	MOE Core	Compare and order 3-digit numbers	Demonstrate “Compare and order 3-digit numbers” accurately in one direct item and one age-appropriate contextual application.
NA-WN-006	P2-W02-KP2	2	1	Numbers to 1000: comparison and patterns	NA-WN	Number & Algebra	Develop	MOE Core	Locate numbers on an open number line	Demonstrate “Locate numbers on an open number line” accurately in one direct item and one age-appropriate contextual application.
NA-WN-007	P2-W02-KP3	2	1	Numbers to 1000: comparison and patterns	NA-WN	Number & Algebra	Develop	MOE Core	Continue sequences in ones tens and hundreds	Demonstrate “Continue sequences in ones tens and hundreds” accurately in one direct item and one age-appropriate contextual application.
NA-WN-008	P2-W02-KP4	2	1	Numbers to 1000: comparison and patterns	NA-WN	Number & Algebra	Develop	MOE Core	Identify odd and even numbers	Demonstrate “Identify odd and even numbers” accurately in one direct item and one age-appropriate contextual application.
NA-AS-001	P2-W03-KP1	3	1	Addition within 1000	NA-AS	Number & Algebra	Develop	MOE Core	Add up to three digits using the standard algorithm	Demonstrate “Add up to three digits using the standard algorithm” accurately in one direct item and one age-appropriate contextual application.
NA-AS-002	P2-W03-KP2	3	1	Addition within 1000	NA-AS	Number & Algebra	Develop	MOE Core	Rename across one or more place values	Demonstrate “Rename across one or more place values” accurately in one direct item and one age-appropriate contextual application.
NA-AS-003	P2-W03-KP3	3	1	Addition within 1000	NA-AS	Number & Algebra	Develop	MOE Core	Estimate sums using compatible numbers	Demonstrate “Estimate sums using compatible numbers” accurately in one direct item and one age-appropriate contextual application.
PS-CHECK-001	P2-W03-KP4	3	1	Addition within 1000	PS-CHECK	Number & Algebra	Develop	MOE Core	Check addition using subtraction	Demonstrate “Check addition using subtraction” by identifying or preventing an error and showing a valid check.
NA-AS-004	P2-W04-KP1	4	1	Subtraction within 1000	NA-AS	Number & Algebra	Develop	MOE Core	Subtract up to three digits using the standard algorithm	Demonstrate “Subtract up to three digits using the standard algorithm” accurately in one direct item and one age-appropriate contextual application.
NA-AS-005	P2-W04-KP2	4	1	Subtraction within 1000	NA-AS	Number & Algebra	Develop	MOE Core	Rename across one or more place values	Demonstrate “Rename across one or more place values” accurately in one direct item and one age-appropriate contextual application.
NA-AS-006	P2-W04-KP3	4	1	Subtraction within 1000	NA-AS	Number & Algebra	Develop	MOE Core	Estimate differences	Demonstrate “Estimate differences” accurately in one direct item and one age-appropriate contextual application.
PS-CHECK-002	P2-W04-KP4	4	1	Subtraction within 1000	PS-CHECK	Number & Algebra	Develop	MOE Core	Check subtraction using addition	Demonstrate “Check subtraction using addition” by identifying or preventing an error and showing a valid check.
NA-AS-007	P2-W05-KP1	5	1	Mental addition and subtraction	NA-AS	Number & Algebra	Develop	MOE Core	Add and subtract ones tens or hundreds mentally	Demonstrate “Add and subtract ones tens or hundreds mentally” accurately in one direct item and one age-appropriate contextual application.
NA-AS-008	P2-W05-KP2	5	1	Mental addition and subtraction	NA-AS	Number & Algebra	Develop	MOE Core	Bridge through multiples of 10 or 100	Demonstrate “Bridge through multiples of 10 or 100” accurately in one direct item and one age-appropriate contextual application.
NA-AS-009	P2-W05-KP3	5	1	Mental addition and subtraction	NA-AS	Number & Algebra	Develop	MOE Core	Use compensation and partitioning	Demonstrate “Use compensation and partitioning” accurately in one direct item and one age-appropriate contextual application.

KP ID	Week KP ID	Annual Week	Term	Weekly Focus	Spiral Family	Domain	Learning Stage	Core Status	Atomic Knowledge Point	Assessable Evidence
NA-AS-010	P2-W05-KP4	5	1	Mental addition and subtraction	NA-AS	Number & Algebra	Develop	MOE Core	Compare the efficiency of two strategies	Demonstrate “Compare the efficiency of two strategies” accurately in one direct item and one age-appropriate contextual application.
NA-AS-011	P2-W06-KP1	6	1	Addition and subtraction word problems	NA-AS	Problem Solving & Mathematical Processes	Develop	MOE Core	Solve one-step and two-part problems	Demonstrate “Solve one-step and two-part problems” accurately in one direct item and one age-appropriate contextual application.
NA-AS-012	P2-W06-KP2	6	1	Addition and subtraction word problems	NA-AS	Problem Solving & Mathematical Processes	Develop	MOE Core	Use part-whole and comparison models	Demonstrate “Use part-whole and comparison models” accurately in one direct item and one age-appropriate contextual application.
NA-AS-013	P2-W06-KP3	6	1	Addition and subtraction word problems	NA-AS	Problem Solving & Mathematical Processes	Develop	MOE Core	Identify unnecessary information	Demonstrate “Identify unnecessary information” accurately in one direct item and one age-appropriate contextual application.
NA-AS-014	P2-W06-KP4	6	1	Addition and subtraction word problems	NA-AS	Problem Solving & Mathematical Processes	Develop	MOE Core	Write statements with correct units	Demonstrate “Write statements with correct units” accurately in one direct item and one age-appropriate contextual application.
MG-MEAS-001	P2-W07-KP1	7	1	Length in centimetres and metres	MG-MEAS	Measurement & Geometry	Develop	MOE Core	Measure and draw in centimetres	Demonstrate “Measure and draw in centimetres” with correct measurement, calculation, notation and units.
MG-MEAS-002	P2-W07-KP2	7	1	Length in centimetres and metres	MG-MEAS	Measurement & Geometry	Develop	MOE Core	Measure and compare in metres	Demonstrate “Measure and compare in metres” with correct measurement, calculation, notation and units.
MG-MEAS-003	P2-W07-KP3	7	1	Length in centimetres and metres	MG-MEAS	Measurement & Geometry	Develop	MOE Core	Choose an appropriate unit	Demonstrate “Choose an appropriate unit” with correct measurement, calculation, notation and units.
MG-MEAS-004	P2-W07-KP4	7	1	Length in centimetres and metres	MG-MEAS	Measurement & Geometry	Develop	MOE Core	Solve addition and subtraction length problems	Demonstrate “Solve addition and subtraction length problems” with correct measurement, calculation, notation and units.
NA-MD-001	P2-W08-KP1	8	1	Multiplication and division concepts	NA-MD	Number & Algebra	Develop	MOE Core	Represent equal groups arrays and repeated addition	Demonstrate “Represent equal groups arrays and repeated addition” accurately in one direct item and one age-appropriate contextual application.
NA-MD-002	P2-W08-KP2	8	1	Multiplication and division concepts	NA-MD	Number & Algebra	Develop	MOE Core	Represent sharing and grouping division	Demonstrate “Represent sharing and grouping division” accurately in one direct item and one age-appropriate contextual application.
NA-MD-003	P2-W08-KP3	8	1	Multiplication and division concepts	NA-MD	Number & Algebra	Develop	MOE Core	Relate multiplication and division	Demonstrate “Relate multiplication and division” accurately in one direct item and one age-appropriate contextual application.
NA-MD-004	P2-W08-KP4	8	1	Multiplication and division concepts	NA-MD	Number & Algebra	Develop	MOE Core	Write fact families	Demonstrate “Write fact families” accurately in one direct item and one age-appropriate contextual application.
NA-MD-005	P2-W09-KP1	9	1	Tables of 2 5 and 10	NA-MD	Number & Algebra	Develop	MOE Core	Recall multiplication facts for 2 5 and 10	Demonstrate “Recall multiplication facts for 2 5 and 10” accurately in one direct item and one age-appropriate contextual application.
NA-MD-006	P2-W09-KP2	9	1	Tables of 2 5 and 10	NA-MD	Number & Algebra	Develop	MOE Core	Apply corresponding division facts	Demonstrate “Apply corresponding division facts” accurately in one direct item and one age-appropriate contextual application.
NA-MD-007	P2-W09-KP3	9	1	Tables of 2 5 and 10	NA-MD	Number & Algebra	Develop	MOE Core	Use patterns to derive unknown facts	Demonstrate “Use patterns to derive unknown facts” accurately in one direct item and one age-appropriate contextual application.
NA-MD-008	P2-W09-KP4	9	1	Tables of 2 5 and 10	NA-MD	Number & Algebra	Develop	MOE Core	Solve equal-group problems	Demonstrate “Solve equal-group problems” accurately in one direct item and one age-appropriate contextual application.
NA-WN-009	P2-W10-KP1	10	1	Term 1 mastery and reasoning	NA-WN	Problem Solving & Mathematical Processes	Master / Transfer	Spiral Maintenance / Transfer	Retrieve place value and operations to 1000	Demonstrate “Retrieve place value and operations to 1000” accurately in one direct item and one age-appropriate contextual application.
PS-REASON-001	P2-W10-KP2	10	1	Term 1 mastery and reasoning	PS-REASON	Problem Solving & Mathematical Processes	Master / Transfer	Spiral Maintenance / Transfer	Solve a two-step additive problem	Demonstrate “Solve a two-step additive problem” by giving a correct conclusion and a mathematically valid reason.
MG-MEAS-005	P2-W10-KP3	10	1	Term 1 mastery and reasoning	MG-MEAS	Problem Solving & Mathematical Processes	Master / Transfer	Spiral Maintenance / Transfer	Apply length measurement	Demonstrate “Apply length measurement” with correct measurement, calculation, notation and units.
ST-DATA-001	P2-W10-KP4	10	1	Term 1 mastery and reasoning	ST-DATA	Problem Solving & Mathematical Processes	Master / Transfer	Spiral Maintenance / Transfer	Use table facts in context	Demonstrate “Use table facts in context” by extracting or organising data accurately and supporting the answer with evidence.

KP ID	Week KP ID	Annual Week	Term	Weekly Focus	Spiral Family	Domain	Learning Stage	Core Status	Atomic Knowledge Point	Assessable Evidence
PS-CHECK-003	P2-W10-KP5	10	1	Term 1 mastery and reasoning	PS-CHECK	Problem Solving & Mathematical Processes	Master / Transfer	Spiral Maintenance / Transfer	Explain and verify one solution	Demonstrate “Explain and verify one solution” by identifying or preventing an error and showing a valid check.
MG-MEAS-006	P2-W11-KP1	11	2	Mass	MG-MEAS	Measurement & Geometry	Develop	MOE Core	Compare mass directly and indirectly	Demonstrate “Compare mass directly and indirectly” with correct measurement, calculation, notation and units.
MG-MEAS-007	P2-W11-KP2	11	2	Mass	MG-MEAS	Measurement & Geometry	Develop	MOE Core	Measure mass in kilograms and grams	Demonstrate “Measure mass in kilograms and grams” with correct measurement, calculation, notation and units.
MG-MEAS-008	P2-W11-KP3	11	2	Mass	MG-MEAS	Measurement & Geometry	Develop	MOE Core	Choose an appropriate mass unit	Demonstrate “Choose an appropriate mass unit” with correct measurement, calculation, notation and units.
MG-MEAS-009	P2-W11-KP4	11	2	Mass	MG-MEAS	Measurement & Geometry	Develop	MOE Core	Solve simple mass problems	Demonstrate “Solve simple mass problems” with correct measurement, calculation, notation and units.
MG-MEAS-010	P2-W12-KP1	12	2	Time to the minute and duration	MG-MEAS	Measurement & Geometry	Develop	MOE Core	Tell and write time to the minute	Demonstrate “Tell and write time to the minute” with correct measurement, calculation, notation and units.
MG-MEAS-011	P2-W12-KP2	12	2	Time to the minute and duration	MG-MEAS	Measurement & Geometry	Develop	MOE Core	Measure time in hours and minutes	Demonstrate “Measure time in hours and minutes” with correct measurement, calculation, notation and units.
MG-MEAS-012	P2-W12-KP3	12	2	Time to the minute and duration	MG-MEAS	Measurement & Geometry	Develop	MOE Core	Convert hours and minutes to minutes and vice versa	Demonstrate “Convert hours and minutes to minutes and vice versa” with correct measurement, calculation, notation and units.
MG-MEAS-013	P2-W12-KP4	12	2	Time to the minute and duration	MG-MEAS	Measurement & Geometry	Develop	MOE Core	Find a starting time finishing time or duration in familiar contexts	Demonstrate “Find a starting time finishing time or duration in familiar contexts” with correct measurement, calculation, notation and units.
NA-MD-009	P2-W13-KP1	13	2	Tables of 3 and 4	NA-MD	Number & Algebra	Develop	MOE Core	Recall multiplication facts for 3 and 4	Demonstrate “Recall multiplication facts for 3 and 4” accurately in one direct item and one age-appropriate contextual application.
NA-MD-010	P2-W13-KP2	13	2	Tables of 3 and 4	NA-MD	Number & Algebra	Develop	MOE Core	Apply corresponding division facts	Demonstrate “Apply corresponding division facts” accurately in one direct item and one age-appropriate contextual application.
NA-MD-011	P2-W13-KP3	13	2	Tables of 3 and 4	NA-MD	Number & Algebra	Develop	MOE Core	Use doubling to derive 4-times facts	Demonstrate “Use doubling to derive 4-times facts” accurately in one direct item and one age-appropriate contextual application.
NA-MD-012	P2-W13-KP4	13	2	Tables of 3 and 4	NA-MD	Number & Algebra	Develop	MOE Core	Solve contextual multiplication and division	Demonstrate “Solve contextual multiplication and division” accurately in one direct item and one age-appropriate contextual application.
NA-MD-013	P2-W14-KP1	14	2	Mixed multiplication and division	NA-MD	Number & Algebra	Develop	MOE Core	Select multiplication or division from context	Demonstrate “Select multiplication or division from context” accurately in one direct item and one age-appropriate contextual application.
NA-MD-014	P2-W14-KP2	14	2	Mixed multiplication and division	NA-MD	Number & Algebra	Develop	MOE Core	Find missing factors or quotients	Demonstrate “Find missing factors or quotients” accurately in one direct item and one age-appropriate contextual application.
PS-MODEL-001	P2-W14-KP3	14	2	Mixed multiplication and division	PS-MODEL	Number & Algebra	Develop	MOE Core	Use bar models for equal-group problems	Demonstrate “Use bar models for equal-group problems” using an accurate labelled model that leads to the answer.
PS-CHECK-004	P2-W14-KP4	14	2	Mixed multiplication and division	PS-CHECK	Number & Algebra	Develop	MOE Core	Check division with multiplication	Demonstrate “Check division with multiplication” by identifying or preventing an error and showing a valid check.
MG-MEAS-014	P2-W15-KP1	15	2	Money in dollars and cents	MG-MEAS	Measurement & Geometry	Develop	MOE Core	Count mixed coins and notes	Demonstrate “Count mixed coins and notes” with correct measurement, calculation, notation and units.
MG-MEAS-015	P2-W15-KP2	15	2	Money in dollars and cents	MG-MEAS	Measurement & Geometry	Develop	MOE Core	Read and write decimal money notation	Demonstrate “Read and write decimal money notation” with correct measurement, calculation, notation and units.
MG-MEAS-016	P2-W15-KP3	15	2	Money in dollars and cents	MG-MEAS	Measurement & Geometry	Develop	MOE Core	Compare money amounts	Demonstrate “Compare money amounts” with correct measurement, calculation, notation and units.
MG-MEAS-017	P2-W15-KP4	15	2	Money in dollars and cents	MG-MEAS	Measurement & Geometry	Develop	MOE Core	Convert between cents and dollar notation	Demonstrate “Convert between cents and dollar notation” with correct measurement, calculation, notation and units.

KP ID	Week KP ID	Annual Week	Term	Weekly Focus	Spiral Family	Domain	Learning Stage	Core Status	Atomic Knowledge Point	Assessable Evidence
MG-MEAS-018	P2-W16-KP1	16	2	Money problems	MG-MEAS	Problem Solving & Mathematical Processes	Develop	MOE Core	Add and subtract money	Demonstrate “Add and subtract money” with correct measurement, calculation, notation and units.
MG-MEAS-019	P2-W16-KP2	16	2	Money problems	MG-MEAS	Problem Solving & Mathematical Processes	Develop	MOE Core	Find change	Demonstrate “Find change” with correct measurement, calculation, notation and units.
MG-MEAS-020	P2-W16-KP3	16	2	Money problems	MG-MEAS	Problem Solving & Mathematical Processes	Develop	MOE Core	Solve two-part purchase problems	Demonstrate “Solve two-part purchase problems” with correct measurement, calculation, notation and units.
PS-CHECK-005	P2-W16-KP4	16	2	Money problems	PS-CHECK	Problem Solving & Mathematical Processes	Develop	MOE Core	Check whether an amount is sufficient	Demonstrate “Check whether an amount is sufficient” by identifying or preventing an error and showing a valid check.
NA-FR-001	P2-W17-KP1	17	2	Fractions as part of a whole	NA-FR	Number & Algebra	Introduce	MOE Core	Identify equal parts of a whole	Demonstrate “Identify equal parts of a whole” with an appropriate fraction model or calculation and a simplified final answer where required.
NA-FR-002	P2-W17-KP2	17	2	Fractions as part of a whole	NA-FR	Number & Algebra	Introduce	MOE Core	Read and write fraction notation	Demonstrate “Read and write fraction notation” with an appropriate fraction model or calculation and a simplified final answer where required.
NA-FR-003	P2-W17-KP3	17	2	Fractions as part of a whole	NA-FR	Number & Algebra	Introduce	MOE Core	Identify numerator and denominator informally	Demonstrate “Identify numerator and denominator informally” with an appropriate fraction model or calculation and a simplified final answer where required.
NA-FR-004	P2-W17-KP4	17	2	Fractions as part of a whole	NA-FR	Number & Algebra	Introduce	MOE Core	Represent unit and non-unit fractions	Demonstrate “Represent unit and non-unit fractions” with an appropriate fraction model or calculation and a simplified final answer where required.
NA-FR-005	P2-W18-KP1	18	2	Comparing and ordering fractions	NA-FR	Number & Algebra	Develop	MOE Core	Compare unit fractions	Demonstrate “Compare unit fractions” with an appropriate fraction model or calculation and a simplified final answer where required.
NA-FR-006	P2-W18-KP2	18	2	Comparing and ordering fractions	NA-FR	Number & Algebra	Develop	MOE Core	Compare like fractions	Demonstrate “Compare like fractions” with an appropriate fraction model or calculation and a simplified final answer where required.
NA-FR-007	P2-W18-KP3	18	2	Comparing and ordering fractions	NA-FR	Number & Algebra	Develop	MOE Core	Order fractions with common denominators	Demonstrate “Order fractions with common denominators” with an appropriate fraction model or calculation and a simplified final answer where required.
PS-REASON-002	P2-W18-KP4	18	2	Comparing and ordering fractions	PS-REASON	Number & Algebra	Develop	MOE Core	Justify comparison using models	Demonstrate “Justify comparison using models” by giving a correct conclusion and a mathematically valid reason.
NA-FR-008	P2-W19-KP1	19	2	Adding and subtracting like fractions	NA-FR	Number & Algebra	Develop	MOE Core	Add like fractions within one whole	Demonstrate “Add like fractions within one whole” with an appropriate fraction model or calculation and a simplified final answer where required.
NA-FR-009	P2-W19-KP2	19	2	Adding and subtracting like fractions	NA-FR	Number & Algebra	Develop	MOE Core	Subtract like fractions within one whole	Demonstrate “Subtract like fractions within one whole” with an appropriate fraction model or calculation and a simplified final answer where required.
PS-REASON-003	P2-W19-KP3	19	2	Adding and subtracting like fractions	PS-REASON	Number & Algebra	Develop	MOE Core	Use visual models to explain operations	Demonstrate “Use visual models to explain operations” by giving a correct conclusion and a mathematically valid reason.
NA-FR-010	P2-W19-KP4	19	2	Adding and subtracting like fractions	NA-FR	Number & Algebra	Develop	MOE Core	Solve simple fraction stories	Demonstrate “Solve simple fraction stories” with an appropriate fraction model or calculation and a simplified final answer where required.
PS-REASON-004	P2-W20-KP1	20	2	Term 2 mastery and transfer	PS-REASON	Problem Solving & Mathematical Processes	Master / Transfer	Spiral Maintenance / Transfer	Retrieve tables 2 3 4 5 and 10	Demonstrate “Retrieve tables 2 3 4 5 and 10” by giving a correct conclusion and a mathematically valid reason.
MG-MEAS-021	P2-W20-KP2	20	2	Term 2 mastery and transfer	MG-MEAS	Problem Solving & Mathematical Processes	Master / Transfer	Spiral Maintenance / Transfer	Apply money mass and time	Demonstrate “Apply money mass and time” with correct measurement, calculation, notation and units.
NA-FR-011	P2-W20-KP3	20	2	Term 2 mastery and transfer	NA-FR	Problem Solving & Mathematical Processes	Master / Transfer	Spiral Maintenance / Transfer	Compare and operate on simple fractions	Demonstrate “Compare and operate on simple fractions” with an appropriate fraction model or calculation and a simplified final answer where required.
PS-REASON-005	P2-W20-KP4	20	2	Term 2 mastery and transfer	PS-REASON	Problem Solving & Mathematical Processes	Master / Transfer	Spiral Maintenance / Transfer	Solve mixed two-step problems	Demonstrate “Solve mixed two-step problems” by giving a correct conclusion and a mathematically valid reason.
PS-CHECK-006	P2-W20-KP5	20	2	Term 2 mastery and transfer	PS-CHECK	Problem Solving & Mathematical Processes	Master / Transfer	Spiral Maintenance / Transfer	Use inverse operations to check	Demonstrate “Use inverse operations to check” by identifying or preventing an error and showing a valid check.

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MG-MEAS-022	P2-W21-KP1	21	3	Liquid volume in litres	MG-MEAS	Measurement & Geometry	Develop / Apply	MOE Core	Compare liquid volumes directly and indirectly	Demonstrate “Compare liquid volumes directly and indirectly” with correct measurement, calculation, notation and units.
MG-MEAS-023	P2-W21-KP2	21	3	Liquid volume in litres	MG-MEAS	Measurement & Geometry	Develop / Apply	MOE Core	Measure liquid volume in litres	Demonstrate “Measure liquid volume in litres” with correct measurement, calculation, notation and units.
MG-MEAS-024	P2-W21-KP3	21	3	Liquid volume in litres	MG-MEAS	Measurement & Geometry	Develop / Apply	MOE Core	Read simple litre scales accurately	Demonstrate “Read simple litre scales accurately” with correct measurement, calculation, notation and units.
MG-MEAS-025	P2-W21-KP4	21	3	Liquid volume in litres	MG-MEAS	Measurement & Geometry	Develop / Apply	MOE Core	Solve addition and subtraction problems involving liquid volume	Demonstrate “Solve addition and subtraction problems involving liquid volume” with correct measurement, calculation, notation and units.
ST-DATA-002	P2-W22-KP1	22	3	Picture graphs with scales	ST-DATA	Statistics	Develop / Apply	MOE Core	Read picture graphs with one-to-one and simple scales	Demonstrate “Read picture graphs with one-to-one and simple scales” by extracting or organising data accurately and supporting the answer with evidence.
ST-DATA-003	P2-W22-KP2	22	3	Picture graphs with scales	ST-DATA	Statistics	Develop / Apply	MOE Core	Interpret legends accurately	Demonstrate “Interpret legends accurately” by extracting or organising data accurately and supporting the answer with evidence.
ST-DATA-004	P2-W22-KP3	22	3	Picture graphs with scales	ST-DATA	Statistics	Develop / Apply	MOE Core	Find totals and differences	Demonstrate “Find totals and differences” by extracting or organising data accurately and supporting the answer with evidence.
ST-DATA-005	P2-W22-KP4	22	3	Picture graphs with scales	ST-DATA	Statistics	Develop / Apply	MOE Core	Complete a graph from a data table	Demonstrate “Complete a graph from a data table” by extracting or organising data accurately and supporting the answer with evidence.
ST-DATA-006	P2-W23-KP1	23	3	Data interpretation	ST-DATA	Statistics	Develop / Apply	MOE Core	Ask multi-part questions from picture graphs	Demonstrate “Ask multi-part questions from picture graphs” by extracting or organising data accurately and supporting the answer with evidence.
ST-DATA-007	P2-W23-KP2	23	3	Data interpretation	ST-DATA	Statistics	Develop / Apply	MOE Core	Compare categories using multiplication or addition	Demonstrate “Compare categories using multiplication or addition” by extracting or organising data accurately and supporting the answer with evidence.
ST-DATA-008	P2-W23-KP3	23	3	Data interpretation	ST-DATA	Statistics	Develop / Apply	MOE Core	Identify supported and unsupported claims	Demonstrate “Identify supported and unsupported claims” by extracting or organising data accurately and supporting the answer with evidence.
PS-REASON-006	P2-W23-KP4	23	3	Data interpretation	PS-REASON	Statistics	Develop / Apply	MOE Core	Explain a simple trend or pattern	Demonstrate “Explain a simple trend or pattern” by giving a correct conclusion and a mathematically valid reason.
MG-GEO-001	P2-W24-KP1	24	3	2D shape patterns and attributes	MG-GEO	Measurement & Geometry	Develop / Apply	MOE Core	Make and complete 2D shape patterns using one attribute	Demonstrate “Make and complete 2D shape patterns using one attribute” using an accurate diagram, stated property or geometric construction as appropriate.
MG-GEO-002	P2-W24-KP2	24	3	2D shape patterns and attributes	MG-GEO	Measurement & Geometry	Develop / Apply	MOE Core	Make and complete 2D shape patterns using two attributes	Demonstrate “Make and complete 2D shape patterns using two attributes” using an accurate diagram, stated property or geometric construction as appropriate.
MG-GEO-003	P2-W24-KP3	24	3	2D shape patterns and attributes	MG-GEO	Measurement & Geometry	Develop / Apply	MOE Core	Identify pattern rules involving size shape colour or orientation	Demonstrate “Identify pattern rules involving size shape colour or orientation” using an accurate diagram, stated property or geometric construction as appropriate.
MG-GEO-004	P2-W24-KP4	24	3	2D shape patterns and attributes	MG-GEO	Measurement & Geometry	Develop / Apply	MOE Core	Find a missing shape in a pattern	Demonstrate “Find a missing shape in a pattern” using an accurate diagram, stated property or geometric construction as appropriate.
PS-REASON-007	P2-W24-KP5	24	3	2D shape patterns and attributes	PS-REASON	Measurement & Geometry	Develop / Apply	MOE Core	Create and explain a 2D shape pattern	Demonstrate “Create and explain a 2D shape pattern” by giving a correct conclusion and a mathematically valid reason.
MG-GEO-005	P2-W25-KP1	25	3	3D shapes: identification and classification	MG-GEO	Measurement & Geometry	Develop / Apply	MOE Core	Identify and name cubes cuboids cones cylinders and spheres	Demonstrate “Identify and name cubes cuboids cones cylinders and spheres” using an accurate diagram, stated property or geometric construction as appropriate.
MG-GEO-006	P2-W25-KP2	25	3	3D shapes: identification and classification	MG-GEO	Measurement & Geometry	Develop / Apply	MOE Core	Describe 3D shapes using observable properties	Demonstrate “Describe 3D shapes using observable properties” using an accurate diagram, stated property or geometric construction as appropriate.
MG-GEO-007	P2-W25-KP3	25	3	3D shapes: identification and classification	MG-GEO	Measurement & Geometry	Develop / Apply	MOE Core	Classify familiar 3D shapes	Demonstrate “Classify familiar 3D shapes” using an accurate diagram, stated property or geometric construction as appropriate.
MG-GEO-008	P2-W25-KP4	25	3	3D shapes: identification and classification	MG-GEO	Measurement & Geometry	Develop / Apply	MOE Core	Match real objects to their 3D shapes	Demonstrate “Match real objects to their 3D shapes” using an accurate diagram, stated property or geometric construction as appropriate.

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NA-AS-015	P2-W26-KP1	26	3	Addition and subtraction consolidation	NA-AS	Number & Algebra	Consolidate	Spiral Maintenance / Transfer	Solve mixed calculations within 1000	Demonstrate “Solve mixed calculations within 1000” accurately in one direct item and one age-appropriate contextual application.
NA-AS-016	P2-W26-KP2	26	3	Addition and subtraction consolidation	NA-AS	Number & Algebra	Consolidate	Spiral Maintenance / Transfer	Find missing numbers in equations	Demonstrate “Find missing numbers in equations” accurately in one direct item and one age-appropriate contextual application.
NA-AS-017	P2-W26-KP3	26	3	Addition and subtraction consolidation	NA-AS	Number & Algebra	Consolidate	Spiral Maintenance / Transfer	Use estimation before exact calculation	Demonstrate “Use estimation before exact calculation” accurately in one direct item and one age-appropriate contextual application.
PS-CHECK-007	P2-W26-KP4	26	3	Addition and subtraction consolidation	PS-CHECK	Number & Algebra	Consolidate	Spiral Maintenance / Transfer	Analyse and correct algorithm errors	Demonstrate “Analyse and correct algorithm errors” by identifying or preventing an error and showing a valid check.
NA-MD-015	P2-W27-KP1	27	3	Multiplication and division consolidation	NA-MD	Number & Algebra	Consolidate	Spiral Maintenance / Transfer	Retrieve all P2 multiplication tables	Demonstrate “Retrieve all P2 multiplication tables” accurately in one direct item and one age-appropriate contextual application.
NA-MD-016	P2-W27-KP2	27	3	Multiplication and division consolidation	NA-MD	Number & Algebra	Consolidate	Spiral Maintenance / Transfer	Use multiplication and division fact families	Demonstrate “Use multiplication and division fact families” accurately in one direct item and one age-appropriate contextual application.
NA-MD-017	P2-W27-KP3	27	3	Multiplication and division consolidation	NA-MD	Number & Algebra	Consolidate	Spiral Maintenance / Transfer	Solve mixed equal-group problems	Demonstrate “Solve mixed equal-group problems” accurately in one direct item and one age-appropriate contextual application.
NA-MD-018	P2-W27-KP4	27	3	Multiplication and division consolidation	NA-MD	Number & Algebra	Consolidate	Advanced Bridge / Extension	Interpret simple remainders as an extension	Demonstrate “Interpret simple remainders as an extension” accurately in one direct item and one age-appropriate contextual application.
PS-REASON-008	P2-W28-KP1	28	3	Two-step word problems	PS-REASON	Problem Solving & Mathematical Processes	Develop / Apply	MOE Core	Identify two linked operations	Demonstrate “Identify two linked operations” by giving a correct conclusion and a mathematically valid reason.
PS-MODEL-002	P2-W28-KP2	28	3	Two-step word problems	PS-MODEL	Problem Solving & Mathematical Processes	Develop / Apply	MOE Core	Use bar models to organise information	Demonstrate “Use bar models to organise information” using an accurate labelled model that leads to the answer.
PS-REASON-009	P2-W28-KP3	28	3	Two-step word problems	PS-REASON	Problem Solving & Mathematical Processes	Develop / Apply	MOE Core	Solve additive and multiplicative combinations	Demonstrate “Solve additive and multiplicative combinations” by giving a correct conclusion and a mathematically valid reason.
PS-CHECK-008	P2-W28-KP4	28	3	Two-step word problems	PS-CHECK	Problem Solving & Mathematical Processes	Develop / Apply	MOE Core	Check each stage of a solution	Demonstrate “Check each stage of a solution” by identifying or preventing an error and showing a valid check.
NA-ALG-001	P2-W29-KP1	29	3	Patterns and early functional thinking	NA-ALG	Number & Algebra	Develop / Apply	MOE Core + Advanced Bridge	Describe growing number patterns	Demonstrate “Describe growing number patterns” using a correct rule, expression or equation and verify the result where appropriate.
NA-ALG-002	P2-W29-KP2	29	3	Patterns and early functional thinking	NA-ALG	Number & Algebra	Develop / Apply	MOE Core + Advanced Bridge	Find missing terms using a rule	Demonstrate “Find missing terms using a rule” using a correct rule, expression or equation and verify the result where appropriate.
NA-ALG-003	P2-W29-KP3	29	3	Patterns and early functional thinking	NA-ALG	Number & Algebra	Develop / Apply	Advanced Bridge / Extension	Relate input and output in a simple table	Demonstrate “Relate input and output in a simple table” using a correct rule, expression or equation and verify the result where appropriate.
NA-ALG-004	P2-W29-KP4	29	3	Patterns and early functional thinking	NA-ALG	Number & Algebra	Develop / Apply	MOE Core + Advanced Bridge	Create a pattern satisfying two conditions	Demonstrate “Create a pattern satisfying two conditions” using a correct rule, expression or equation and verify the result where appropriate.
MG-MEAS-026	P2-W30-KP1	30	3	Term 3 mastery and challenge	MG-MEAS	Problem Solving & Mathematical Processes	Master / Transfer	Advanced Bridge / Extension	Integrate number measurement fractions and data	Demonstrate “Integrate number measurement fractions and data” with correct measurement, calculation, notation and units.
PS-HEUR-001	P2-W30-KP2	30	3	Term 3 mastery and challenge	PS-HEUR	Problem Solving & Mathematical Processes	Master / Transfer	Advanced Bridge / Extension	Solve a non-routine classification problem	Demonstrate “Solve a non-routine classification problem” by selecting and applying a suitable strategy to a scaffolded unfamiliar problem.
NA-WN-010	P2-W30-KP3	30	3	Term 3 mastery and challenge	NA-WN	Problem Solving & Mathematical Processes	Master / Transfer	Advanced Bridge / Extension	Compare two valid methods	Demonstrate “Compare two valid methods” accurately in one direct item and one age-appropriate contextual application.
PS-REASON-010	P2-W30-KP4	30	3	Term 3 mastery and challenge	PS-REASON	Problem Solving & Mathematical Processes	Master / Transfer	Advanced Bridge / Extension	Explain an error and improve the solution	Demonstrate “Explain an error and improve the solution” by giving a correct conclusion and a mathematically valid reason.
PS-CHECK-009	P2-W30-KP5	30	3	Term 3 mastery and challenge	PS-CHECK	Problem Solving & Mathematical Processes	Master / Transfer	Advanced Bridge / Extension	Complete a timed mixed-fluency check	Demonstrate “Complete a timed mixed-fluency check” by identifying or preventing an error and showing a valid check.

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NA-WN-011	P2-W31-KP1	31	4	Advanced place-value applications	NA-WN	Number & Algebra	Extend	Advanced Bridge / Extension	Find numbers from digit clues	Demonstrate “Find numbers from digit clues” accurately in one direct item and one age-appropriate contextual application.
NA-WN-012	P2-W31-KP2	31	4	Advanced place-value applications	NA-WN	Number & Algebra	Extend	Advanced Bridge / Extension	Form greatest and least numbers under conditions	Demonstrate “Form greatest and least numbers under conditions” accurately in one direct item and one age-appropriate contextual application.
PS-REASON-011	P2-W31-KP3	31	4	Advanced place-value applications	PS-REASON	Number & Algebra	Extend	Advanced Bridge / Extension	Reason about 1 10 or 100 more or less	Demonstrate “Reason about 1 10 or 100 more or less” by giving a correct conclusion and a mathematically valid reason.
NA-WN-013	P2-W31-KP4	31	4	Advanced place-value applications	NA-WN	Number & Algebra	Extend	Advanced Bridge / Extension	Solve number-line estimation problems	Demonstrate “Solve number-line estimation problems” accurately in one direct item and one age-appropriate contextual application.
PS-REASON-012	P2-W32-KP1	32	4	Advanced additive reasoning	PS-REASON	Problem Solving & Mathematical Processes	Extend	Advanced Bridge / Extension	Solve comparison problems with an unknown start	Demonstrate “Solve comparison problems with an unknown start” by giving a correct conclusion and a mathematically valid reason.
PS-REASON-013	P2-W32-KP2	32	4	Advanced additive reasoning	PS-REASON	Problem Solving & Mathematical Processes	Extend	Advanced Bridge / Extension	Solve two-step change problems	Demonstrate “Solve two-step change problems” by giving a correct conclusion and a mathematically valid reason.
PS-REASON-014	P2-W32-KP3	32	4	Advanced additive reasoning	PS-REASON	Problem Solving & Mathematical Processes	Extend	Advanced Bridge / Extension	Use working backward in simple contexts	Demonstrate “Use working backward in simple contexts” by giving a correct conclusion and a mathematically valid reason.
PS-MODEL-003	P2-W32-KP4	32	4	Advanced additive reasoning	PS-MODEL	Problem Solving & Mathematical Processes	Extend	Advanced Bridge / Extension	Write an equation from a bar model	Demonstrate “Write an equation from a bar model” using an accurate labelled model that leads to the answer.
NA-ALG-005	P2-W33-KP1	33	4	Advanced multiplicative reasoning	NA-ALG	Problem Solving & Mathematical Processes	Extend	Advanced Bridge / Extension	Solve grouping problems with an unknown number of groups	Demonstrate “Solve grouping problems with an unknown number of groups” using a correct rule, expression or equation and verify the result where appropriate.
PS-REASON-015	P2-W33-KP2	33	4	Advanced multiplicative reasoning	PS-REASON	Problem Solving & Mathematical Processes	Extend	Advanced Bridge / Extension	Solve sharing problems with an unknown group size	Demonstrate “Solve sharing problems with an unknown group size” by giving a correct conclusion and a mathematically valid reason.
NA-WN-014	P2-W33-KP3	33	4	Advanced multiplicative reasoning	NA-WN	Problem Solving & Mathematical Processes	Extend	Advanced Bridge / Extension	Compare additive and multiplicative situations	Demonstrate “Compare additive and multiplicative situations” accurately in one direct item and one age-appropriate contextual application.
NA-ALG-006	P2-W33-KP4	33	4	Advanced multiplicative reasoning	NA-ALG	Problem Solving & Mathematical Processes	Extend	Advanced Bridge / Extension	Create a word problem for a given equation	Demonstrate “Create a word problem for a given equation” using a correct rule, expression or equation and verify the result where appropriate.
MG-MEAS-027	P2-W34-KP1	34	4	Measurement integration	MG-MEAS	Measurement & Geometry	Consolidate	MOE Core	Choose among cm m g kg and litres	Demonstrate “Choose among cm m g kg and litres” with correct measurement, calculation, notation and units.
MG-MEAS-028	P2-W34-KP2	34	4	Measurement integration	MG-MEAS	Measurement & Geometry	Consolidate	MOE Core	Convert simple familiar measures without formal algorithms	Demonstrate “Convert simple familiar measures without formal algorithms” with correct measurement, calculation, notation and units.
MG-MEAS-029	P2-W34-KP3	34	4	Measurement integration	MG-MEAS	Measurement & Geometry	Consolidate	MOE Core	Compare measurements in context	Demonstrate “Compare measurements in context” with correct measurement, calculation, notation and units.
MG-MEAS-030	P2-W34-KP4	34	4	Measurement integration	MG-MEAS	Measurement & Geometry	Consolidate	MOE Core	Solve two-step measurement problems	Demonstrate “Solve two-step measurement problems” with correct measurement, calculation, notation and units.
MG-MEAS-031	P2-W35-KP1	35	4	Time and money integration	MG-MEAS	Measurement & Geometry	Consolidate	MOE Core	Read schedules with familiar times	Demonstrate “Read schedules with familiar times” with correct measurement, calculation, notation and units.
MG-MEAS-032	P2-W35-KP2	35	4	Time and money integration	MG-MEAS	Measurement & Geometry	Consolidate	MOE Core	Find simple duration across an hour	Demonstrate “Find simple duration across an hour” with correct measurement, calculation, notation and units.
MG-MEAS-033	P2-W35-KP3	35	4	Time and money integration	MG-MEAS	Measurement & Geometry	Consolidate	MOE Core	Plan purchases within a budget	Demonstrate “Plan purchases within a budget” with correct measurement, calculation, notation and units.
MG-MEAS-034	P2-W35-KP4	35	4	Time and money integration	MG-MEAS	Measurement & Geometry	Consolidate	MOE Core	Solve change and time problems	Demonstrate “Solve change and time problems” with correct measurement, calculation, notation and units.
NA-FR-012	P2-W36-KP1	36	4	Fraction reasoning extension	NA-FR	Number & Algebra	Consolidate	Advanced Bridge / Extension	Find a fraction of a small set using objects	Demonstrate “Find a fraction of a small set using objects” with an appropriate fraction model or calculation and a simplified final answer where required.

KP ID	Week KP ID	Annual Week	Term	Weekly Focus	Spiral Family	Domain	Learning Stage	Core Status	Atomic Knowledge Point	Assessable Evidence
NA-FR-013	P2-W36-KP2	36	4	Fraction reasoning extension	NA-FR	Number & Algebra	Consolidate	Advanced Bridge / Extension	Recognise equivalent halves and quarters visually	Demonstrate “Recognise equivalent halves and quarters visually” with an appropriate fraction model or calculation and a simplified final answer where required.
NA-FR-014	P2-W36-KP3	36	4	Fraction reasoning extension	NA-FR	Number & Algebra	Consolidate	MOE Core + Advanced Bridge	Complete one whole with like fractions	Demonstrate “Complete one whole with like fractions” with an appropriate fraction model or calculation and a simplified final answer where required.
PS-REASON-016	P2-W36-KP4	36	4	Fraction reasoning extension	PS-REASON	Number & Algebra	Consolidate	MOE Core + Advanced Bridge	Explain why unequal parts are not fractions of a whole	Demonstrate “Explain why unequal parts are not fractions of a whole” by giving a correct conclusion and a mathematically valid reason.
ST-DATA-009	P2-W37-KP1	37	4	Data investigation	ST-DATA	Statistics	Consolidate	MOE Core	Collect categorical data	Demonstrate “Collect categorical data” by extracting or organising data accurately and supporting the answer with evidence.
ST-DATA-010	P2-W37-KP2	37	4	Data investigation	ST-DATA	Statistics	Consolidate	MOE Core	Organise data in a tally table	Demonstrate “Organise data in a tally table” by extracting or organising data accurately and supporting the answer with evidence.
ST-DATA-011	P2-W37-KP3	37	4	Data investigation	ST-DATA	Statistics	Consolidate	MOE Core	Represent data in a picture graph	Demonstrate “Represent data in a picture graph” by extracting or organising data accurately and supporting the answer with evidence.
PS-REASON-017	P2-W37-KP4	37	4	Data investigation	PS-REASON	Statistics	Consolidate	MOE Core	State a conclusion supported by the data	Demonstrate “State a conclusion supported by the data” by giving a correct conclusion and a mathematically valid reason.
PS-MODEL-004	P2-W38-KP1	38	4	Mixed-model problem solving	PS-MODEL	Problem Solving & Mathematical Processes	Consolidate	MOE Core	Choose part-whole comparison or equal-group models	Demonstrate “Choose part-whole comparison or equal-group models” using an accurate labelled model that leads to the answer.
PS-MODEL-005	P2-W38-KP2	38	4	Mixed-model problem solving	PS-MODEL	Problem Solving & Mathematical Processes	Consolidate	MOE Core	Represent a two-step problem	Demonstrate “Represent a two-step problem” using an accurate labelled model that leads to the answer.
PS-MODEL-006	P2-W38-KP3	38	4	Mixed-model problem solving	PS-MODEL	Problem Solving & Mathematical Processes	Consolidate	MOE Core	Identify a hidden question	Demonstrate “Identify a hidden question” using an accurate labelled model that leads to the answer.
PS-CHECK-010	P2-W38-KP4	38	4	Mixed-model problem solving	PS-CHECK	Problem Solving & Mathematical Processes	Consolidate	MOE Core	Check using a different method	Demonstrate “Check using a different method” by identifying or preventing an error and showing a valid check.
PS-REASON-018	P2-W39-KP1	39	4	P2 cumulative assessment preparation	PS-REASON	Problem Solving & Mathematical Processes	Master / Transfer	Spiral Maintenance / Transfer	Retrieve all core arithmetic facts	Demonstrate “Retrieve all core arithmetic facts” by giving a correct conclusion and a mathematically valid reason.
MG-MEAS-035	P2-W39-KP2	39	4	P2 cumulative assessment preparation	MG-MEAS	Problem Solving & Mathematical Processes	Master / Transfer	Spiral Maintenance / Transfer	Apply all measurement and data skills	Demonstrate “Apply all measurement and data skills” with correct measurement, calculation, notation and units.
PS-REASON-019	P2-W39-KP3	39	4	P2 cumulative assessment preparation	PS-REASON	Problem Solving & Mathematical Processes	Master / Transfer	Spiral Maintenance / Transfer	Solve multi-topic two-step problems	Demonstrate “Solve multi-topic two-step problems” by giving a correct conclusion and a mathematically valid reason.
PS-REASON-020	P2-W39-KP4	39	4	P2 cumulative assessment preparation	PS-REASON	Problem Solving & Mathematical Processes	Master / Transfer	Spiral Maintenance / Transfer	Interpret mathematical language precisely	Demonstrate “Interpret mathematical language precisely” by giving a correct conclusion and a mathematically valid reason.
NA-WN-015	P2-W40-KP1	40	4	P2 year-end mastery and P3 readiness	NA-WN	Problem Solving & Mathematical Processes	Master / Transfer	Spiral Maintenance / Transfer	Master whole numbers to 1000	Demonstrate “Master whole numbers to 1000” accurately in one direct item and one age-appropriate contextual application.
NA-AS-018	P2-W40-KP2	40	4	P2 year-end mastery and P3 readiness	NA-AS	Problem Solving & Mathematical Processes	Master / Transfer	Spiral Maintenance / Transfer	Master addition subtraction and core tables	Demonstrate “Master addition subtraction and core tables” accurately in one direct item and one age-appropriate contextual application.
MG-MEAS-036	P2-W40-KP3	40	4	P2 year-end mastery and P3 readiness	MG-MEAS	Problem Solving & Mathematical Processes	Master / Transfer	Spiral Maintenance / Transfer	Apply fractions money time mass length and volume	Demonstrate “Apply fractions money time mass length and volume” with correct measurement, calculation, notation and units.
MG-GEO-009	P2-W40-KP4	40	4	P2 year-end mastery and P3 readiness	MG-GEO	Problem Solving & Mathematical Processes	Master / Transfer	Spiral Maintenance / Transfer	Interpret picture graphs and shapes	Demonstrate “Interpret picture graphs and shapes” using an accurate diagram, stated property or geometric construction as appropriate.
PS-CHECK-011	P2-W40-KP5	40	4	P2 year-end mastery and P3 readiness	PS-CHECK	Problem Solving & Mathematical Processes	Master / Transfer	Spiral Maintenance / Transfer	Reason communicate and verify independently	Demonstrate “Reason communicate and verify independently” by identifying or preventing an error and showing a valid check.

Primary 2 Mathematics - Spiral Progression Map

Important concepts recur at increasing depth; repetition means retrieval plus a new representation, strategy or application demand.

Spiral Family	P2 Entry Point	Development / Revisit Weeks	End-of-P2 Expectation	MOE Role	P3 Bridge	Atomic KP Count	Status
NA-WN	W1: Numbers to 1000: place value	W2, W10, W30, W31, W33, W40	Read, represent, compare, order and reason with numbers to 1000.	Core	Numbers to 10 000 and mental calculation	15	Complete
NA-AS	W3: Addition within 1000	W4, W5, W6, W26, W40	Add and subtract within 1000 using standard, mental and checking strategies.	Core	Four operations and multi-step word problems	18	Complete
NA-MD	W8: Multiplication and division concepts	W9, W13, W14, W27	Recall tables of 2, 3, 4, 5 and 10 and apply linked division facts.	Core	Tables of 6, 7, 8 and 9 and larger-number operations	18	Complete
NA-FR	W17: Fractions as part of a whole	W18, W19, W20, W36	Represent, compare, order, add and subtract simple like fractions within one whole.	Core + labelled extension	Broader fraction equivalence and fraction of a set	14	Complete
NA-ALG	W29: Patterns and early functional thinking	W33	Describe simple rules and complete number patterns; attempt labelled input-output extension.	Process bridge / Advanced	Number patterns and early algebraic relationships	6	Complete
MG-MEAS	W7: Length in centimetres and metres	W10, W11, W12, W15, W16, W20, W21, W30, W34, W35, W39, W40	Use length, mass, capacity, time and money accurately in familiar problems.	Core	Unit conversions and combined measurement problems	36	Complete
MG-GEO	W24: 2D shape patterns and attributes	W25, W40	Create 2D attribute patterns and identify, describe and classify the specified five 3D shapes.	Core	Angles, parallel/perpendicular lines and expanded spatial reasoning	9	Complete
ST-DATA	W10: Term 1 mastery and reasoning	W22, W23, W37	Read, construct and interpret picture graphs and simple categorical data displays.	Core	Bar graphs and richer data comparison	11	Complete
PS-MODEL	W14: Mixed multiplication and division	W28, W32, W38	Select and use part-whole, comparison or equal-group models for two-step problems.	Mathematical processes	Multi-step bar models	6	Complete
PS-HEUR	W30: Term 3 mastery and challenge	Embedded retrieval	Apply a simple systematic or working-backward strategy in a scaffolded unfamiliar task.	Mathematical processes	Expanded heuristics and non-routine problems	1	Complete
PS-REASON	W10: Term 1 mastery and reasoning	W18, W19, W20, W23, W24, W28, W30, W31, W32, W33, W36, W37, W39	Explain methods, comparisons, patterns, classifications and data conclusions.	Mathematical processes	Longer explanations and connected reasoning	20	Complete

Spiral Family	P2 Entry Point	Development / Revisit Weeks	End-of-P2 Expectation	MOE Role	P3 Bridge	Atomic KP Count	Status
PS-CHECK	W3: Addition within 1000	W4, W10, W14, W16, W20, W26, W28, W30, W38, W40	Use inverse operations, estimation and error analysis to verify solutions.	Mathematical processes	Independent checking of multi-step work	11	Complete
PS-COMM	Embedded across weekly tasks	Embedded retrieval	Use equations, labelled models, units, legends and mathematical statements clearly.	Mathematical processes	More formal written mathematical communication	0	Embedded only

Primary 2 Mathematics - MOE Coverage Audit

Cross-check of P2 syllabus content and mathematical processes against the 40-week allocation.

MOE Strand / Topic	Expected P2 Scope	Allocated Weeks	Progression Check	Assessment Readiness	Advanced Boundary	Status	Source
Whole Numbers	Numbers to 1000; place value, comparison, order, sequences, odd and even numbers	W1-W2, W10, W26, W30-W31, W39-W40	P1 numbers to 100 -> P2 numbers to 1000 -> conditional reasoning	Representation, expanded form, comparison, order and application	Digit clues and number-line estimation are labelled extension	Complete	https://www.moe.gov.sg/media/files/primary/92bff26d -b2b4-4535-b868-b8415c744b91.pdf
Addition and Subtraction	Standard and mental addition/subtraction within 1000; one- and two-step problems	W3-W6, W10, W20, W26, W28, W32, W38-W40	Algorithms -> mental strategies -> word problems -> integrated transfer	Accuracy, renaming, estimation, modelling and checking	Unknown-start and working-backward tasks are labelled extension	Complete	https://www.moe.gov.sg/media/files/primary/92bff26d -b2b4-4535-b868-b8415c744b91.pdf
Multiplication and Division	Concepts and tables of 2, 3, 4, 5 and 10 with corresponding division facts	W8-W9, W13-W14, W20, W27-W28, W33, W38-W40	Equal groups -> facts -> operation choice -> two-step application	Fact fluency, representation, inverse facts and contextual choice	Remainders and unknown group structures are separately labelled extension	Complete	https://www.moe.gov.sg/media/files/primary/92bff26d -b2b4-4535-b868-b8415c744b91.pdf
Fractions	Fractions as equal parts; notation; comparison/order; addition/subtraction of like fractions within one whole	W17-W20, W30, W36, W39-W40	Representation -> comparison -> operations -> reasoning	Models, symbols, comparison, like-fraction operations and stories	Fraction of a set and visual equivalence are labelled advanced bridge	Complete + Advanced Bridge	https://www.moe.gov.sg/media/files/primary/92bff26d -b2b4-4535-b868-b8415c744b91.pdf
Length, Mass and Liquid Volume	cm/m, g/kg and liquid volume in litres; comparison, measurement, unit choice and simple problems	W7, W11, W21, W34, W39-W40	Single measure -> scale reading -> integrated measurement	Measure, select units, read scales and solve contextual problems	Only familiar conversions; no formal compound conversion algorithms	Complete	https://www.moe.gov.sg/media/files/primary/92bff26d -b2b4-4535-b868-b8415c744b91.pdf
Time	Time to the minute; hours and minutes; conversion to minutes and duration	W12, W20, W35, W39-W40	P1 time to 5 minutes -> P2 time to the minute -> P3 seconds and 24-hour clock	Read, write and apply time in familiar contexts	Duration across familiar boundaries only	Complete	https://www.moe.gov.sg/media/files/primary/92bff26d -b2b4-4535-b868-b8415c744b91.pdf
Money	Dollars and cents; decimal money notation; totals, change and sufficiency	W15-W16, W20, W35, W39-W40	Recognition -> notation -> operations -> purchase planning	Count, compare, add/subtract and solve purchase problems	Budget planning remains age-appropriate and scaffolded	Complete	https://www.moe.gov.sg/media/files/primary/92bff26d -b2b4-4535-b868-b8415c744b91.pdf
Data Handling	Picture graphs with one-to-one and simple scales; categorical data collection and interpretation	W22-W23, W30, W37, W39-W40	Read -> interpret -> collect -> represent -> conclude	Legends, totals, differences, supported claims and graph construction	Trend language is simple and evidence-based	Complete	https://www.moe.gov.sg/media/files/primary/92bff26d -b2b4-4535-b868-b8415c744b91.pdf
Geometry	2D shape patterns by size, shape, colour and orientation; classification of five specified 3D shapes	W24-W25, W30, W38-W40	Identify -> properties -> sorting -> composition -> spatial views	Describe, classify, compose/decompose and visualise	Pyramids and formal face-edge-vertex work are excluded from P2 core	Complete	https://www.moe.gov.sg/media/files/primary/92bff26d -b2b4-4535-b868-b8415c744b91.pdf
Mathematical Processes	Representation, reasoning, communication, connections, applications and checking	Embedded weekly; explicit W10, W20, W28, W30-W33, W38-W40	Guided choice -> two-step integration -> independent transfer	Model, method, working, answer, explanation and verification	Advanced tasks are labelled and scaffolded	Complete	https://www.moe.gov.sg/media/files/primary/92bff26d -b2b4-4535-b868-b8415c744b91.pdf

Sources, Codes and Use Notes

The MOE syllabus defines the required scope; PSLE Checkpoint sequencing and advanced extensions are curriculum-design decisions.

Type	Source / Code	Details	Use in this List	Authority	Notes
Official syllabus	MOE Primary Mathematics Syllabus (P1-P6), updated Oct 2025	https://www.moe.gov.sg/media/files/primary/92bff26db2b4-4535-b868-b8415c744b91.pdf	Primary alignment and level boundaries	Ministry of Education, Singapore	Current official reference used for this version.
Curriculum baseline	Primary Mathematics P1-P6 Master Knowledge Coverage Matrix V3 with V4 refinement audit	Source workbook plus the cross-grade MOE boundary audit	Weekly sequence, corrected level boundaries, spiral structure and advanced labels	PSLE Checkpoint	P2 V4 retains the V3 architecture while applying the verified corrections.
Code	NA-WN / NA-AS / NA-MD / NA-FR / NA-ALG	Whole numbers; addition/subtraction; multiplication/division; fractions; early algebra	Atomic KP family classification	Matrix rule	Content strands.
Code	MG-MEAS / MG-GEO / ST-DATA	Measurement; geometry; statistics/data	Atomic KP family classification	Matrix rule	Content strands.
Code	PS-MODEL / PS-HEUR / PS-REASON / PS-CHECK / PS-COMM	Models; heuristics; reasoning; checking; communication	Mathematical process classification	Matrix rule	Processes are embedded across content.
Use rule	One KP, one assessment target	Each KP should be assessed independently or clearly tagged within a mixed paper.	Assessment design	PSLE Checkpoint	Do not substitute a different skill for the stated KP.
Use rule	Review weeks	Review only taught content, but increase integration, reasoning and transfer.	Assessment design	PSLE Checkpoint	Review is not a source of untaught concepts.