Mathematics Life Skills – 7 - 10 - Scope and Sequence
Semester 1

This Scope and Sequence is to be used to guide planning within the classroom. Students needs and interests are to be taken into consideration when planning and implementing content. From Kindergarten to Year 10, students with disability may engage with:

- *syllabus outcomes and content from their age-appropriate stage with adjustments to teaching, learning and/or assessment activities; or*
- *selected syllabus outcomes and content from their age-appropriate stage relevant to their learning needs; or*
- *syllabus outcomes from an earlier stage, using age-appropriate content; or*
- *selected Years 7–10 Life Skills outcomes and content from one or more syllabuses (for students in Years 7–10).*

		Term 1	
Weeks	**Content Focus**	**Life Skill Outcomes**	**Stage Related Outcomes**
1-10	**Working Mathematically**	MALS-1WM Responds to and uses mathematical language to demonstrate understanding	MA4-1WM Communicates and connects mathematical ideas using appropriate terminology, diagrams and symbols MA5.1-1WM Uses appropriate terminology, diagrams and symbols in mathematical contexts MA5.2-1WM Selects appropriate notations and conventions to communicate mathematical ideas and solutions
		MALS-2WM Applies mathematical strategies to solve problems	MA4-2WM Applies appropriate mathematical techniques to solve problems MA5.1-2WM Selects and uses appropriate strategies to solve problems MA5.2-2WM Interprets mathematical or real-life situations, systematically applying appropriate strategies to solve problems
		MALS-3WM Uses reasoning to recognise mathematical relationships	MA4-3WM Recognises and explains mathematical relationships using reasoning MA5.1-3WM Provides reasoning to support conclusions that are appropriate to the context MA5.2-3WM Constructs arguments to prove and justify results
1 & 2	**Emergent Topic:** Whole Numbers	**Emergent Outcome – Number and Algebra** MALS-4NA Recognises language used to represent number ⮧ Recognise that some languages other than English, such as Aboriginal and Torres Strait Islander languages, may have interchangeable terms with the same meaning MALS-5NA Counts in familiar contexts MALS-6NA Reads and represents numbers MALS-7NA Compares and orders numbers	MA4-4NA Compares, orders and calculates with integers, applying a range of strategies to aid computation
	Conventional Topic: Position	**Conventional Outcome - Measurement & Geometry** MALS-32MG Responds to and uses the language of position in everyday contexts MALS-33MG Recognises that maps and plans are a representation of positions in space ⮧ Recognise different cultural representations of maps, including in Aboriginal and Torres Strait Islander cultures MALS-34MG Uses maps and plans in a range of contexts	MA4-11NA Creates and displays number patterns; graphs and analyses linear relationships; and performs transformations on the Cartesian plane MA5.1-6NA Determines the midpoint, gradient and length of an interval, and graphs linear relationships MA5.1-11MG Describes and applies the properties of similar figures and scale drawings
3 & 4	**Emergent Topic:** Whole Numbers	**Emergent Outcome – Number and Algebra** MALS-4NA Recognises language used to represent number ⮧ Recognise that some languages other than English, such as Aboriginal and Torres Strait Islander languages, may have interchangeable terms with the same meaning MALS-5NA Counts in familiar contexts MALS-6NA Reads and represents numbers MALS-7NA Compares and orders numbers	MA4-4NA Compares, orders and calculates with integers, applying a range of strategies to aid computation
	Conventional Topic: Time	**Conventional Outcome – Measurement & Geometry** MALS-20MG Recognises time in familiar contexts MALS-21MG Recognises and relates time in a range of contexts ⮧ Recognise methods used by some cultures for representing calendar time, e.g. the use of animal migration patterns by Aboriginal and Torres Strait Islander peoples to indicate seasons MALS-22MG Reads and interprets time in a variety of situations MALS-23MG Calculates and measures time and duration in everyday contexts MALS-24MG Organises personal time and manages scheduled activities	MA4-15MG Performs calculations of time that involve mixed units, and interprets time zones
5, 6 & 7	**Emergent Topic:** Whole Numbers & Money	**Emergent Outcome – Number and Algebra & Money** MALS-4NA Recognises language used to represent number ⮧ Recognise that some languages other than English, such as Aboriginal and Torres Strait Islander languages, may have interchangeable terms with the same meaning MALS-5NA Counts in familiar contexts MALS-6NA Reads and represents numbers MALS-7NA Compares and orders numbers	MA4-4NA Compares, orders and calculates with integers, applying a range of strategies to aid computation

		Life Skill Outcomes	Stage Related Outcomes
		MALS-12NA Recognises and matches coins and notes	**MA4-6NA** Solves financial problems involving purchasing goods **MA5.1-4NA** Solves financial problems involving earning, spending and investing money **MA5.2-4NA** Solves financial problems involving compound interest
		MALS-13NA Compares and orders coins and notes	
		MALS-14NA Reads and writes amounts of money	
		MALS-15NA Calculates with money	
		⚓ Recognise alternative forms of currency in ancient cultures, eg the bartering system used by Aboriginal and Torres Strait Islander cultures	
		MALS-16NA Makes informed decisions about purchasing goods and services	
		MALS-17NA Plans and manages personal finances	
	Conventional Topic: Addition & Subtraction	**Conventional Outcome - Number and Algebra**	
		MALS-10NA Selects and uses strategies for addition and subtraction	**MA4-4NA** Compares, orders and calculates with integers, applying a range of strategies to aid computation
8 & 9	**Emergent Topic:** Whole Numbers	**Emergent Outcome – Number and Algebra**	
		MALS-4NA Recognises language used to represent number ⚓ Recognise that some languages other than English, such as Aboriginal and Torres Strait Islander languages, may have interchangeable terms with the same meaning	**MA4-4NA** Compares, orders and calculates with integers, applying a range of strategies to aid computation
		MALS-5NA Counts in familiar contexts	
		MALS-6NA Reads and represents numbers	
		MALS-7NA Compares and orders numbers	
	Conventional Topic: Pattern & Algebra	**Conventional Outcome - Number and Algebra**	
		MALS-18NA Recognises and continues repeating patterns ⚓ Recognise that some languages other than English, such as Aboriginal and Torres Strait Islander languages, may have interchangeable terms with the same meaning. ⚓ Recognise what comes next in a simple pattern of shapes. Recognise repeating patterns of shapes in a range of contexts, eg paving patterns, wallpaper, Aboriginal artwork.	**MA4-8NA** Generalises number properties to operate with algebraic expressions
		MALS-19NA Calculates missing values by completing simple number sentences	**MA4-7NA** Operates with ratios and rates, and explores their graphical representation **MA4-10NA** Uses algebraic techniques to solve simple linear and quadratic equations **MA5.2-8NA** Solves linear and simple quadratic equations, linear inequalities and linear simultaneous equations, using analytical and graphical techniques
10 & 11	**Emergent Topic:** Whole Numbers	**Emergent Outcome – Number and Algebra**	
		MALS-4NA Recognises language used to represent number ⚓ Recognise that some languages other than English, such as Aboriginal and Torres Strait Islander languages, may have interchangeable terms with the same meaning	**MA4-4NA** Compares, orders and calculates with integers, applying a range of strategies to aid computation
		MALS-5NA Counts in familiar contexts	
		MALS-6NA Reads and represents numbers	
		MALS-7NA Compares and orders numbers	
	Conventional Topic: Two- Dimensional Space & Three- Dimensional Space & Angles (Stage 2 & 3)	**Conventional Outcome - Measurement & Geometry**	
		MALS-30MG Recognises, matches and sorts three-dimensional objects and/or two-dimensional shapes	**MA4-14MG** Uses formulas to calculate the volumes of prisms and cylinders, and converts between units of volume **MA4-17MG** Classifies, describes and uses the properties of triangles and quadrilaterals, and determines congruent triangles to find unknown side lengths and angles **MA5.2-12MG** Applies formulas to calculate the volumes of composite solids composed of right prisms and cylinders
		MALS-31MG Identifies the features of three-dimensional objects and/or two-dimensional shapes and applies these in a range of contexts	

Term 2

Weeks	Content Focus	Life Skill Outcomes	Stage Related Outcomes
1-10	**Working Mathematically**	**MALS-1WM** Responds to and uses mathematical language to demonstrate understanding	**MA4-1WM** Communicates and connects mathematical ideas using appropriate terminology, diagrams and symbols **MA5.1-1WM** Uses appropriate terminology, diagrams and symbols in mathematical contexts **MA5.2-1WM** Selects appropriate notations and conventions to communicate mathematical ideas and solutions
		MALS-2WM Applies mathematical strategies to solve problems	**MA4-2WM** Applies appropriate mathematical techniques to solve problems **MA5.1-2WM** Selects and uses appropriate strategies to solve problems **MA5.2-2WM** Interprets mathematical or real-life situations, systematically applying appropriate strategies to solve problems
		MALS-3WM Uses reasoning to recognise mathematical relationships	**MA4-3WM** Recognises and explains mathematical relationships using reasoning **MA5.1-3WM** Provides reasoning to support conclusions that are appropriate to the context **MA5.2-3WM** Constructs arguments to prove and justify results
1 & 2	**Emergent Topic:**	**Emergent Outcome – Number and Algebra**	
		MALS-4NA Recognises language used to represent number	**MA4-4NA** Compares, orders and calculates with integers, applying a range of strategies to aid computation

	Whole Numbers	⤵ Recognise that some languages other than English, such as Aboriginal and Torres Strait Islander languages, may have interchangeable terms with the same meaning	
		MALS-5NA Counts in familiar contexts	
		MALS-6NA Reads and represents numbers	
		MALS-7NA Compares and orders numbers	
	Conventional Topic: Multiplication and Division	**Conventional Outcome - Number and Algebra**	
		MALS-11NA Selects and uses strategies for multiplication and division	**MA4-4NA** Compares, orders and calculates with integers, applying a range of strategies to aid computation
2 & 3	**Emergent Topic:** Whole Numbers	**Emergent Outcome – Number and Algebra**	
		MALS-4NA Recognises language used to represent number ⤵ Recognise that some languages other than English, such as Aboriginal and Torres Strait Islander languages, may have interchangeable terms with the same meaning	**MA4-4NA** Compares, orders and calculates with integers, applying a range of strategies to aid computation
		MALS-5NA Counts in familiar contexts	
		MALS-6NA Reads and represents numbers	
		MALS-7NA Compares and orders numbers	
	Conventional Topic: Length & Area	**Conventional Outcome - Measurement & Geometry**	
		MALS-25MG Estimates and measures in everyday contexts	**MA4-12MG** Calculates the perimeters of plane shapes and the circumferences of circles
		MALS-26MG Recognises and uses units to estimate and measure length	
		MALS-29MG Applies formal units to estimate and calculate area	**MA4-13MG** Uses formulas to calculate the areas of quadrilaterals and circles, and converts between units of area **MA5.1-8MG** Calculates the areas of composite shapes, and the surface areas of rectangular and triangular prisms **MA5.2-11MG** Calculates the surface areas of right prisms, cylinders and related composite solids
4 & 5	**Emergent Topic:** Whole Numbers	**Emergent Outcome – Number and Algebra**	
		MALS-4NA Recognises language used to represent number ⤵ Recognise that some languages other than English, such as Aboriginal and Torres Strait Islander languages, may have interchangeable terms with the same meaning	**MA4-4NA** Compares, orders and calculates with integers, applying a range of strategies to aid computation
		MALS-5NA Counts in familiar contexts	
		MALS-6NA Reads and represents numbers	
		MALS-7NA Compares and orders numbers	
	Conventional Topic: Fractions and Decimals	**Conventional Outcome - Number and Algebra**	
		MALS-8NA Recognises and compares fractions in everyday contexts	**MA4-5NA** Operates with fractions, decimals and percentages
		MALS-9NA Represents and operates with fractions, decimals or percentages in everyday contexts	
6 & 7	**Emergent Topic:** Whole Numbers	**Emergent Outcome – Number and Algebra**	
		MALS-4NA Recognises language used to represent number ⤵ Recognise that some languages other than English, such as Aboriginal and Torres Strait Islander languages, may have interchangeable terms with the same meaning	**MA4-4NA** Compares, orders and calculates with integers, applying a range of strategies to aid computation
		MALS-5NA Counts in familiar contexts	
		MALS-6NA Reads and represents numbers	
		MALS-7NA Compares and orders numbers	
	Conventional Topic: Data & Chance	**Conventional Outcome – Statistics & Probability**	
		MALS-35SP Recognises data displayed in a variety of formats	**MA4-19SP** Collects, represents and interprets single sets of data, using appropriate statistical displays
		MALS-36SP Gathers, organises and displays data	**MA5.1-12SP** Uses statistical displays to compare sets of data, and evaluates statistical claims made in the media
		MALS-37SP Interprets information and draws conclusions from data displays	**MA5.2-15SP** Uses quartiles and box plots to compare sets of data, and evaluates sources of data
		MALS-38SP Recognises and uses the language of chance in a range of contexts	**MA4-21SP** Represents probabilities of simple and compound events
		MALS-39SP Recognises the elements of chance and probability in everyday events	**MA5.1-13SP** Calculates relative frequencies to estimate probabilities of simple and compound events **MA5.2-16SP** Investigates relationships between two statistical variables, including their relationship over time **MA5.2-17SP** Describes and calculates probabilities in multi-step chance experiments
9 & 10	**Emergent Topic:** Whole Numbers	**Emergent Outcome – Number and Algebra**	
		MALS-4NA Recognises language used to represent number ⤵ Recognise that some languages other than English, such as Aboriginal and Torres Strait Islander languages, may have interchangeable terms with the same meaning	**MA4-4NA** Compares, orders and calculates with integers, applying a range of strategies to aid computation
		MALS-5NA Counts in familiar contexts	
		MALS-6NA Reads and represents numbers	
		MALS-7NA Compares and orders numbers	
		Conventional Outcome - Measurement & Geometry	
		MALS-27MG Selects and uses units to estimate and measure mass	-

Conventional Topic: Volume & Capacity & Mass	**MALS-28MG** Selects and uses units to estimate and measure volume and capacity	**MA4-14MG** Uses formulas to calculate the volumes of prisms and cylinders, and converts between units of volume **MA5.2-12MG** Applies formulas to calculate the volumes of composite solids composed of right prisms and cylinders
Assessment	**Assessment for Learning:** Enables teachers to use information about students' knowledge, understanding and skills to inform their teaching. **Assessment as Learning:** Involves students in the learning process where they monitor their own progress, ask questions and practices skills. **Assessment of Learning:** Assists teachers to use evidence of student learning to assess student achievement against learning goals and standards. **Assessments:** Sena 1 & 2 Assessments	
Resources	**Syllabus:** https://www.educationstandards.nsw.edu.au/wps/portal/nesa/k-10/learning-areas/mathematics **ABCYA:** https://www.abcya.com/ **Butterfly Wings Units:** https://obwm.weebly.com/ **Everyday Maths Hub:** https://education.nsw.gov.au/campaigns/mathematics	

Mathematics Life Skills - 7 - 10 - Scope and Sequence
Semester 2

This Scope and Sequence is to be used to guide planning within the classroom. Students needs and interests are to be taken into consideration when planning and implementing content. From Kindergarten to Year 10, students with disability may engage with:

- *syllabus outcomes and content from their age-appropriate stage with adjustments to teaching, learning and/or assessment activities; or*
- *selected syllabus outcomes and content from their age-appropriate stage relevant to their learning needs; or*
- *syllabus outcomes from an earlier stage, using age-appropriate content; or*
- *selected Years 7–10 Life Skills outcomes and content from one or more syllabuses (for students in Years 7–10).*

Weeks	Content Focus	Life Skill Outcomes	Stage Related Outcomes
		Term 1	
1-10	**Working Mathematically**	MALS-1WM Responds to and uses mathematical language to demonstrate understanding	MA4-1WM Communicates and connects mathematical ideas using appropriate terminology, diagrams and symbols MA5.1-1WM Uses appropriate terminology, diagrams and symbols in mathematical contexts MA5.2-1WM Selects appropriate notations and conventions to communicate mathematical ideas and solutions
		MALS-2WM Applies mathematical strategies to solve problems	MA4-2WM Applies appropriate mathematical techniques to solve problems MA5.1-2WM Selects and uses appropriate strategies to solve problems MA5.2-2WM Interprets mathematical or real-life situations, systematically applying appropriate strategies to solve problems
		MALS-3WM Uses reasoning to recognise mathematical relationships	MA4-3WM Recognises and explains mathematical relationships using reasoning MA5.1-3WM Provides reasoning to support conclusions that are appropriate to the context MA5.2-3WM Constructs arguments to prove and justify results
1 & 2	**Emergent Topic:** Whole Numbers	**Emergent Outcome – Number and Algebra** MALS-4NA Recognises language used to represent number ⤷ Recognise that some languages other than English, such as Aboriginal and Torres Strait Islander languages, may have interchangeable terms with the same meaning MALS-5NA Counts in familiar contexts MALS-6NA Reads and represents numbers MALS-7NA Compares and orders numbers	MA4-4NA Compares, orders and calculates with integers, applying a range of strategies to aid computation
	Conventional Topic: Position	**Conventional Outcome - Measurement & Geometry** MALS-32MG Responds to and uses the language of position in everyday contexts MALS-33MG Recognises that maps and plans are a representation of positions in space ⤷ Recognise different cultural representations of maps, including in Aboriginal and Torres Strait Islander cultures MALS-34MG Uses maps and plans in a range of contexts	MA4-11NA Creates and displays number patterns; graphs and analyses linear relationships; and performs transformations on the Cartesian plane MA5.1-6NA Determines the midpoint, gradient and length of an interval, and graphs linear relationships MA5.1-11MG Describes and applies the properties of similar figures and scale drawings
3 & 4	**Emergent Topic:** Whole Numbers	**Emergent Outcome – Number and Algebra** MALS-4NA Recognises language used to represent number ⤷ Recognise that some languages other than English, such as Aboriginal and Torres Strait Islander languages, may have interchangeable terms with the same meaning MALS-5NA Counts in familiar contexts MALS-6NA Reads and represents numbers MALS-7NA Compares and orders numbers	MA4-4NA Compares, orders and calculates with integers, applying a range of strategies to aid computation
	Conventional Topic: Time	**Conventional Outcome – Measurement & Geometry** MALS-20MG Recognises time in familiar contexts MALS-21MG Recognises and relates time in a range of contexts ⤷ Recognise methods used by some cultures for representing calendar time, e.g. the use of animal migration patterns by Aboriginal and Torres Strait Islander peoples to indicate seasons MALS-22MG Reads and interprets time in a variety of situations MALS-23MG Calculates and measures time and duration in everyday contexts MALS-24MG Organises personal time and manages scheduled activities	MA4-15MG Performs calculations of time that involve mixed units, and interprets time zones
5, 6 & 7	**Emergent Topic:** Whole Numbers & Money	**Emergent Outcome – Number and Algebra & Money** MALS-4NA Recognises language used to represent number ⤷ Recognise that some languages other than English, such as Aboriginal and Torres Strait Islander languages, may have interchangeable terms with the same meaning MALS-5NA Counts in familiar contexts MALS-6NA Reads and represents numbers MALS-7NA Compares and orders numbers	MA4-4NA Compares, orders and calculates with integers, applying a range of strategies to aid computation

Weeks	Content Focus	Life Skill Outcomes	Stage Related Outcomes
		MALS-12NA Recognises and matches coins and notes	**MA4-6NA** Solves financial problems involving purchasing goods **MA5.1-4NA** Solves financial problems involving earning, spending and investing money **MA5.2-4NA** Solves financial problems involving compound interest
		MALS-13NA Compares and orders coins and notes	
		MALS-14NA Reads and writes amounts of money	
		MALS-15NA Calculates with money	
		⚘ Recognise alternative forms of currency in ancient cultures, eg the bartering system used by Aboriginal and Torres Strait Islander cultures	
		MALS-16NA Makes informed decisions about purchasing goods and services	
		MALS-17NA Plans and manages personal finances	
	Conventional Topic: Addition & Subtraction	**Conventional Outcome - Number and Algebra**	
		MALS-10NA Selects and uses strategies for addition and subtraction	**MA4-4NA** Compares, orders and calculates with integers, applying a range of strategies to aid computation
8 & 9	**Emergent Topic:** Whole Numbers	**Emergent Outcome – Number and Algebra**	
		MALS-4NA Recognises language used to represent number	**MA4-4NA** Compares, orders and calculates with integers, applying a range of strategies to aid computation
		⚘ Recognise that some languages other than English, such as Aboriginal and Torres Strait Islander languages, may have interchangeable terms with the same meaning	
		MALS-5NA Counts in familiar contexts	
		MALS-6NA Reads and represents numbers	
		MALS-7NA Compares and orders numbers	
	Conventional Topic: Pattern & Algebra	**Conventional Outcome - Number and Algebra**	
		MALS-18NA Recognises and continues repeating patterns	**MA4-8NA** Generalises number properties to operate with algebraic expressions
		⚘ Recognise that some languages other than English, such as Aboriginal and Torres Strait Islander languages, may have interchangeable terms with the same meaning.	
		⚘ Recognise what comes next in a simple pattern of shapes. Recognise repeating patterns of shapes in a range of contexts, eg paving patterns, wallpaper, Aboriginal artwork.	
		MALS-19NA Calculates missing values by completing simple number sentences	**MA4-7NA** Operates with ratios and rates, and explores their graphical representation **MA4-10NA** Uses algebraic techniques to solve simple linear and quadratic equations **MA5.2-8NA** Solves linear and simple quadratic equations, linear inequalities and linear simultaneous equations, using analytical and graphical techniques
10 & 11	**Emergent Topic:** Whole Numbers	**Emergent Outcome – Number and Algebra**	
		MALS-4NA Recognises language used to represent number	**MA4-4NA** Compares, orders and calculates with integers, applying a range of strategies to aid computation
		⚘ Recognise that some languages other than English, such as Aboriginal and Torres Strait Islander languages, may have interchangeable terms with the same meaning	
		MALS-5NA Counts in familiar contexts	
		MALS-6NA Reads and represents numbers	
		MALS-7NA Compares and orders numbers	
	Conventional Topic: Two- Dimensional Space & Three- Dimensional Space & Angles (Stage 2 & 3)	**Conventional Outcome - Measurement & Geometry**	
		MALS-30MG Recognises, matches and sorts three-dimensional objects and/or two-dimensional shapes	**MA4-14MG** Uses formulas to calculate the volumes of prisms and cylinders, and converts between units of volume **MA4-17MG** Classifies, describes and uses the properties of triangles and quadrilaterals, and determines congruent triangles to find unknown side lengths and angles **MA5.2-12MG** Applies formulas to calculate the volumes of composite solids composed of right prisms and cylinders
		MALS-31MG Identifies the features of three-dimensional objects and/or two-dimensional shapes and applies these in a range of contexts	

Term 2

Weeks	Content Focus	Life Skill Outcomes	Stage Related Outcomes
1-10	**Working Mathematically**	**MALS-1WM** Responds to and uses mathematical language to demonstrate understanding	**MA4-1WM** Communicates and connects mathematical ideas using appropriate terminology, diagrams and symbols **MA5.1-1WM** Uses appropriate terminology, diagrams and symbols in mathematical contexts **MA5.2-1WM** Selects appropriate notations and conventions to communicate mathematical ideas and solutions
		MALS-2WM Applies mathematical strategies to solve problems	**MA4-2WM** Applies appropriate mathematical techniques to solve problems **MA5.1-2WM** Selects and uses appropriate strategies to solve problems **MA5.2-2WM** Interprets mathematical or real-life situations, systematically applying appropriate strategies to solve problems
		MALS-3WM Uses reasoning to recognise mathematical relationships	**MA4-3WM** Recognises and explains mathematical relationships using reasoning **MA5.1-3WM** Provides reasoning to support conclusions that are appropriate to the context **MA5.2-3WM** Constructs arguments to prove and justify results
1 & 2	**Emergent Topic:**	**Emergent Outcome – Number and Algebra**	
		MALS-4NA Recognises language used to represent number	**MA4-4NA** Compares, orders and calculates with integers, applying a range of strategies to aid computation

	Whole Numbers	☟ Recognise that some languages other than English, such as Aboriginal and Torres Strait Islander languages, may have interchangeable terms with the same meaning	
		MALS-5NA Counts in familiar contexts	
		MALS-6NA Reads and represents numbers	
		MALS-7NA Compares and orders numbers	
	Conventional Topic: Multiplication and Division	**Conventional Outcome - Number and Algebra**	
		MALS-11NA Selects and uses strategies for multiplication and division	**MA4-4NA** Compares, orders and calculates with integers, applying a range of strategies to aid computation
2 & 3	**Emergent Topic:** Whole Numbers	**Emergent Outcome – Number and Algebra**	
		MALS-4NA Recognises language used to represent number	
		☟ Recognise that some languages other than English, such as Aboriginal and Torres Strait Islander languages, may have interchangeable terms with the same meaning	**MA4-4NA** Compares, orders and calculates with integers, applying a range of strategies to aid computation
		MALS-5NA Counts in familiar contexts	
		MALS-6NA Reads and represents numbers	
		MALS-7NA Compares and orders numbers	
	Conventional Topic: Length & Area	**Conventional Outcome - Measurement & Geometry**	
		MALS-25MG Estimates and measures in everyday contexts	**MA4-12MG** Calculates the perimeters of plane shapes and the circumferences of circles
		MALS-26MG Recognises and uses units to estimate and measure length	
		MALS-29MG Applies formal units to estimate and calculate area	**MA4-13MG** Uses formulas to calculate the areas of quadrilaterals and circles, and converts between units of area **MA5.1-8MG** Calculates the areas of composite shapes, and the surface areas of rectangular and triangular prisms **MA5.2-11MG** Calculates the surface areas of right prisms, cylinders and related composite solids
4 & 5	**Emergent Topic:** Whole Numbers	**Emergent Outcome – Number and Algebra**	
		MALS-4NA Recognises language used to represent number	
		☟ Recognise that some languages other than English, such as Aboriginal and Torres Strait Islander languages, may have interchangeable terms with the same meaning	**MA4-4NA** Compares, orders and calculates with integers, applying a range of strategies to aid computation
		MALS-5NA Counts in familiar contexts	
		MALS-6NA Reads and represents numbers	
		MALS-7NA Compares and orders numbers	
	Conventional Topic: Fractions and Decimals	**Conventional Outcome - Number and Algebra**	
		MALS-8NA Recognises and compares fractions in everyday contexts	**MA4-5NA** Operates with fractions, decimals and percentages
		MALS-9NA Represents and operates with fractions, decimals or percentages in everyday contexts	
6 & 7	**Emergent Topic:** Whole Numbers	**Emergent Outcome – Number and Algebra**	
		MALS-4NA Recognises language used to represent number	
		☟ Recognise that some languages other than English, such as Aboriginal and Torres Strait Islander languages, may have interchangeable terms with the same meaning	**MA4-4NA** Compares, orders and calculates with integers, applying a range of strategies to aid computation
		MALS-5NA Counts in familiar contexts	
		MALS-6NA Reads and represents numbers	
		MALS-7NA Compares and orders numbers	
	Conventional Topic: Data & Chance	**Conventional Outcome – Statistics & Probability**	
		MALS-35SP Recognises data displayed in a variety of formats	**MA4-19SP** Collects, represents and interprets single sets of data, using appropriate statistical displays
		MALS-36SP Gathers, organises and displays data	**MA5.1-12SP** Uses statistical displays to compare sets of data, and evaluates statistical claims made in the media
		MALS-37SP Interprets information and draws conclusions from data displays	**MA5.2-15SP** Uses quartiles and box plots to compare sets of data, and evaluates sources of data
		MALS-38SP Recognises and uses the language of chance in a range of contexts	**MA4-21SP** Represents probabilities of simple and compound events
		MALS-39SP Recognises the elements of chance and probability in everyday events	**MA5.1-13SP** Calculates relative frequencies to estimate probabilities of simple and compound events **MA5.2-16SP** Investigates relationships between two statistical variables, including their relationship over time **MA5.2-17SP** Describes and calculates probabilities in multi-step chance experiments
9 & 10	**Emergent Topic:** Whole Numbers	**Emergent Outcome – Number and Algebra**	
		MALS-4NA Recognises language used to represent number	
		☟ Recognise that some languages other than English, such as Aboriginal and Torres Strait Islander languages, may have interchangeable terms with the same meaning	**MA4-4NA** Compares, orders and calculates with integers, applying a range of strategies to aid computation
		MALS-5NA Counts in familiar contexts	
		MALS-6NA Reads and represents numbers	
		MALS-7NA Compares and orders numbers	
		Conventional Outcome - Measurement & Geometry	
		MALS-27MG Selects and uses units to estimate and measure mass	-

	Conventional Topic: Volume & Capacity & Mass	**MALS-28MG** Selects and uses units to estimate and measure volume and capacity	**MA4-14MG** Uses formulas to calculate the volumes of prisms and cylinders, and converts between units of volume
			MA5.2-12MG Applies formulas to calculate the volumes of composite solids composed of right prisms and cylinders
Assessment	**Assessment for Learning:** Enables teachers to use information about students' knowledge, understanding and skills to inform their teaching. **Assessment as Learning:** Involves students in the learning process where they monitor their own progress, ask questions and practices skills. **Assessment of Learning:** Assists teachers to use evidence of student learning to assess student achievement against learning goals and standards. **Assessments:** Sena 1 & 2 Assessments		
Resources	**Syllabus:** https://www.educationstandards.nsw.edu.au/wps/portal/nesa/k-10/learning-areas/mathematics **ABCYA:** https://www.abcya.com/ **Butterfly Wings Units:** https://obwm.weebly.com/ **Everyday Maths Hub:** https://education.nsw.gov.au/campaigns/mathematics		