

Chapel Hill State School

Maths Curriculum and Assessment Year Level Plan 2025

Prep

Curriculum Intent

Year Level Description

In Foundation, learning in Mathematics builds on the Early Years Learning Framework and each student's prior learning and experiences. Students engage in a range of approaches to learning and doing mathematics that develop their understanding of and fluency with concepts, procedures and processes by making connections, reasoning, problem-solving and practice. Proficiency in mathematics enables students to respond to familiar and unfamiliar situations by employing mathematical strategies to make informed decisions and solve problems efficiently.

Students further develop proficiency and positive dispositions towards mathematics and its use as they:

- explore situations, sparked by curiosity, using physical and virtual materials to represent, sort, quantify, compare and solve everyday problems •
- look for and make connections between number names, numerals and quantities, and compare quantities and shapes, using elementary mathematical reasoning in active learning experiences
- bring mathematical meaning to their use of familiar terms and language when they pose and respond to questions, and explain their thinking and reasoning
- build confidence and autonomy in being able to make and justify mathematical decisions based on quantification and direct comparisons
- learn to recognise repetition in pattern sequences and apply this to creatively build repeating patterns in a range of contexts
- develop a sense of sameness, difference and change when they engage in play-based activities. •

Achievement Standard

Spiral Progression and Alignment

PREP

Number, Algebra

By the end of Foundation Year, students make connections between number names, numerals and position in the sequence of numbers from zero to at least 20. They use subitising and counting strategies to quantify collections. Students compare the size of collections to at least 20. They partition and combine collections up to 10 in different ways, representing these with numbers. Students represent practical situations that involve quantifying, equal sharing, adding to and taking away from collections to at least 10. They copy and continue repeating patterns.

Measurement, Space

Students identify the attributes of mass, capacity, length and duration, and use direct comparison strategies to compare objects and events. They sequence and connect familiar events to the time of day. Student's name, create and sort familiar shapes and give their reasoning. They describe the position and the location of themselves and objects in relation to other objects and people within a familiar space.

Statistics, Probability

Students collect, sort and compare data in response to questions in familiar contexts.

YEAR 1

Number, Algebra

Measurement, Space

Statistics, Probability





Sequence of units	Semester 1		Semester 2	
	Unit 1	Unit 2	Unit 3	Unit 4
Unit description	 Number and Algebra look for and make connections between number names, numerals and quantities learn to recognise repetition in pattern sequences and apply this to creatively build repeating patterns in a range of contexts develop a sense of sameness, difference and change when engaging in play-based activities about patterns Space develop a sense of sameness, difference and change when engaging in play-based activities describing position and location bring mathematical meaning to the use of familiar terms and language when explaining thinking about position and location statistics explore situations, sparked by curiosity, using physical and virtual materials to represent, sort, quantify and compare data bring mathematical meaning to the use of familiar terms and language when posing and responding to questions about data, and explaining thinking and reasoning 	 Number look for and make connections between number names, numerals and quantities, and compare quantities, using elementary mathematical reasoning in active learning experiences explore situations, sparked by curiosity, using physical and virtual materials to represent and solve everyday problems that involve quantifying, adding to and taking away from collections to at least 10 Measurement build confidence and autonomy in being able to make and justify mathematical decisions based on quantification and direct comparisons of duration and events 	 Number look for and make connections between number names, numerals and quantities, and compare quantities, using elementary mathematical reasoning in active learning experiences explore situations, sparked by curiosity, using physical and virtual materials to represent and solve everyday problems that involve quantifying, equal sharing, adding to and taking away from collections to at least 10 Space name, create and compare shapes, using elementary mathematical reasoning in active learning experiences develop a sense of sameness, difference and change when engaging in play-based activities about shapes Measurement build confidence and autonomy in being able to make and justify mathematical decisions based on quantification and direct comparisons of mass, capacity and length of objects 	 Number and Algebra look for and make connections between number names, numerals and quantities, and compare quantities, using elementary mathematical reasoning in active learning experiences learn to recognise repetition in pattern sequences and apply this to creatively build repeating patterns in a range of contexts
Curriculum links				



Assessment		Semester 1		Semester 2	
		Monitoring strategy U1.1 Connecting and sequencing numbers and exploring repeating patterns	Assessment task U2.1 Partitioning and combining collections and representing practical situations	Assessment task U3.1 Representing practical situations including mass, length and capacity	Assessment task U4.1 Using numbers to at least 20 and repeating patterns
S	Technique		Short response Choose an item.	Observed demonstration Choose an item.	Observed demonstration Choose an item.
lance of nventior	Mode		Spoken/ Signed Practical	Spoken/ Signed Practical	Spoken/ Signed Practical
Range and ba assessment co	Conditions		 ☑ Access to resources ☑ Individual task or □ Group task Consideration of: ☑ Time conditions ☑ Accessibility for all students 	 Access to resources Individual task or Group task Consideration of: Time conditions Accessibility for all students 	 Access to resources Individual task or Group task Consideration of: Time conditions Accessibility for all students
	Diagnostic	Includes Numeracy Diagnostic	Includes Unit Diagnostic Number		Includes Unit Diagnostic Number
	Assessment	Monitoring strategy 1.2 — Describing position and location	Monitoring strategy 2.2 Subitising collections	Assessment task U3.2 Identifying and sorting shapes	Monitoring strategy 4.2 — Subitising and quantifying collections
S	Technique			Observed demonstration Choose an item.	
alance of onvention	Mode			Written Spoken/ Signed Practical	
Range and b assessment co	Conditions			 Access to resources Individual task or Group task Consideration of: Time conditions Accessibility for all students 	
	Diagnostic				
	Assessment	Assessment task U1.3 Collecting, sorting and comparing data	Monitoring strategy 2.3 — Exploring attributes of duration and sequencing familiar events		
so -	Technique	Investigation Choose an item.			
alance of invention	Mode	Written Spoken/ Signed Practical			
Range and bi assessment cc	Conditions	 Access to resources Individual task or □ Group task Consideration of: ☑ Time conditions ☑ Accessibility for all students 			
	Diagnostic				



Achievement Standard Elements Assessed / Elements Monitored

Unit 1	Unit 2	Unit 3
Number, Algebra	Number, Algebra	Number, Algebra
By the end of Foundation Year, students make	By the end of Foundation Year, students make	By the end of Foundation Year, students make
connections between number names, numerals and	connections between number names, numerals and	connections between number names, numerals and
position in the sequence of numbers from zero to at	position in the sequence of numbers from zero to at	position in the sequence of numbers from zero to at
least 20. They use subitising and counting strategies to	least 20. They use subitising and counting strategies to	least 20. They use subitising and counting strategies to
quantify collections. Students compare the size of	quantify collections. Students compare the size of	quantify collections. Students compare the size of
collections to at least 20. They partition and combine	collections to at least 20. They partition and combine	collections to at least 20. They partition and combine
collections up to 10 in different ways, representing	collections up to 10 in different ways, representing	collections up to 10 in different ways, representing
these with numbers. Students represent practical	these with numbers. Students represent practical	these with numbers. Students represent practical
situations that involve quantifying, equal sharing,	situations that involve quantifying, equal sharing,	situations that involve quantifying, equal sharing,
adding to and taking away from collections to at least	adding to and taking away from collections to at	adding to and taking away from collections to at
10. They copy and continue repeating patterns.	least 10. They copy and continue repeating patterns.	least 10. They copy and continue repeating patterns.
Measurement, Space	Measurement, Space	Measurement, Space
Students identify the attributes of mass, capacity,	Students identify the attributes of mass, capacity,	Students identify the attributes of mass, capacity,
length and duration, and use direct comparison	length and duration, and use direct comparison	length and duration, and use direct comparison
strategies to compare objects and events. They	strategies to compare objects and events. They	strategies to compare objects and events. They
sequence and connect familiar events to the time of	sequence and connect familiar events to the time of	sequence and connect familiar events to the time of
day. Students name, create and sort familiar shapes	day . Students name, create and sort familiar shapes	day. Students name, create and sort familiar shapes
and give their reasoning. They describe the position	and give their reasoning. They describe the position	and give their reasoning. They describe the position
and the location of themselves and objects in relation to	and the location of themselves and objects in relation to	and the location of themselves and objects in relation to
other objects and people within a familiar space.	other objects and people within a familiar space.	other objects and people within a familiar space.
Statistics, Probability	Statistics, Probability	Statistics, Probability
Students collect, sort and compare data in response	Students collect, sort and compare data in response to	Students collect, sort and compare data in response to
to questions in familiar contexts.	questions in familiar contexts.	questions in familiar contexts.

Disclaimer: Please use this Curriculum Map as a guide. Due to circumstances beyond our control, it may be necessary to make changes to the published timetabling, delivery or instrument of an assessment.

	Unit 4
to	Number, Algebra By the end of Foundation Year, students make connections between number names, numerals and position in the sequence of numbers from zero to at least 20. They use subitising and counting strategies to quantify collections. Students compare the size of collections to at least 20. They partition and combine collections up to 10 in different ways, representing these with numbers. Students represent practical situations that involve quantifying, equal sharing, adding to and taking away from collections to at least 10. They copy and continue repeating patterns.
es n i to	Measurement, Space Students identify the attributes of mass, capacity, length and duration, and use direct comparison strategies to compare objects and events. They sequence and connect familiar events to the time of day. Students name, create and sort familiar shapes and give their reasoning. They describe the position and the location of themselves and objects in relation to other objects and people within a familiar space.
to	Statistics, Probability Students collect, sort and compare data in response to questions in familiar contexts.

