

Ngunnawal Primary School Year 4 Maths Learning Matrix



Number	Number	Number	Number
Learning Intention:	Learning Intention:	Learning Intention:	Learning Intention:
To discuss the properties of odd and	To read and write five digits numbers	To identify and apply a range of terms	To identify and explain strategies for
even numbers.	using words and numerals.	and language used for addition.	finding unknown quantities in number sentences.
Success Criteria:	Success Criteria:	Success Criteria:	
Describe the outcome for adding odd	Read and write numbers using words	Uses different terms used for addition.	Success Criteria:
and even numbers.	and numerals.		Applies place value to partition,
		Learning Task	rearrange and regroup numbers to at
Learning Task	Learning Task	Write 5 real-life word problems that	least tens of thousands to assist
What happens when you add an odd number to an even number? Show 5	Choose a number between 10 000 and 99 000. Use words and pictures to	need to be solved using addition. Answer each problem and show your	calculations and solve problems.
examples using different 4-digit or	create a poster (digital or hard copy)	working.	
higher numbers, and then explain	showing as much information about	working.	Learning Task
what the rule might be.	the number as possible.		Using a take-away menu, order dinner for your family. List each item and
			how much it costs, then calculate the
			total price. Use a calculator to check
			your calculations.
Number	Number	Number	Working Mathematically
Learning Intention:	Learning Intention:	Learning Intention:	Learning Intention:
To identify and explain strategies for	To identify and explain strategies for	To investigate the history and uses of	To review and evaluate different
finding unknown quantities in number	finding unknown quantities in number	numerical concepts and patterns.	mathematical resources.
sentences.	sentences.		
		Success Criteria:	Success Criteria:
Success Criteria:	Success Criteria:	Describe the concept of infinity.	Able to describe maths concepts used
Identify and explain strategies for	Identify patterns in answers for	Lagratina Tark	in digital games.
finding unknown quantities in number	repeated addition.	Learning Task	

Learning Task Use the sum 689 + 507. Write out how you would solve this sum using the mental strategies of jump and split. Then solve this sum using the written strategy of a vertical algorithm.	Learning Task 'Add on'. Choose a single digit number (higher than three) to start at and then choose a single digit number (higher than three) to add on. Time yourself for 90 seconds to see how far you can go in adding, remembering that you just have to list the answers. Once you finish, examine the ones, tens and hundreds column to identify any recurring patterns in the answers. Repeat this at least twice using different starting numbers and add ons.	Research the number concept of 'Infinity'. Create a poster or slide show that explains some of the history and mathematical uses for infinity.	Learning Task Choose one online maths game (Cool Maths Game; ABCYA; Maths Playground etc.) and write a review of that game. The review should include the name of the game, a description of how to play the game and an explanation of 3 maths concepts used in the game with examples.
Length	Length	Length	Time
Learning Intention:	Learning Intention:	Learning Intention:	Learning Intention:
To use scaled instruments to measure	To use scaled instruments to measure	To use scaled instruments to measure	To solve problems involving time
and compare lengths.	and compare lengths.	and compare lengths.	duration
Success Criteria:	Success Criteria:	Success Criteria:	Success Criteria:
Accurately measures and order by	Measures perimeter accurately.	Compares the lengths of different	Uses patterns of time to make
length a range of objects.	,	events.	-
		events.	reasonable predictions.
	Learning Task	events.	reasonable predictions.
Learning Task	Learning Task Draw a birds eye view of your	Learning Task	Learning Task
Learning Task Find 10 items around the house and			·
_	Draw a birds eye view of your	Learning Task	Learning Task
Find 10 items around the house and	Draw a birds eye view of your bedroom. Add the outline of furniture,	Learning Task Research the different lengths	Learning Task Each night this week, record the total

World Record for the Field events

(long jump, high jump, javelin etc.)

spoon, tennis racquet). Write a sum to

work out the perimeter of each object,

	including the room. Don't forget to include your units of measurement for your answers.	and list these events with the record lengths in metres, centimetres and millimetres.	
Time	Time	Time	Time
Learning Intention:	Learning Intention:	Learning Intention:	Learning Intention:
To solve problems involving time duration.	To convert between units of time.	To convert between units of time.	To use 'am' and 'pm' notation and solve simple time problems.
	Success Criteria:	Success Criteria:	
Success Criteria:	Accurately converts between minutes	Accurately converts between seconds,	Success Criteria:
Creates a detailed timetable.	and seconds.	minutes and hours.	Explains the use of am and pm when describing time.
Learning Task	Learning Task	Learning Task	
Construct a timetable for your day	Use the daily timetable you made or	Identify five different activities that	Learning Task
yesterday using 30-minute slots.	reflect on the events of a 24 hour	take exactly 10 seconds. List the	Research what the terms 'am' and
Include brief details about each	period, and answer these questions as	activities and calculate how many	'pm' mean. Write an explanation and
activity. E.g. – Viewing: watched	a total in minutes. Then convert each	times you could do this activity in 1	then discuss why we need to have
'Frozen 2' on DVD; Lego: built a	total from minutes to seconds.	minute. Then calculate how many	'am' & 'pm' time. You can also
fortress without using instructions.	Questions: How many minutes did you	times you could do this activity in 1	research the Greenwich Meridian and
	sleep for? How many minutes did you	hour or even 1 day.	International Date Line and write an
	watch TV/movies/streaming for? How		explanation of how these two
	many minutes did you exercise or participate in physical activity for?		geographical features help to decide what time it is in different parts of the
	How many minutes did you eat for?		world.
	How many minutes did you spend		
	doing household chores? How many		
	minutes did you spend doing personal		
	hygiene (bathe, brush teeth etc)? How		
	many minutes did you read for?		