

Lancelin Primary School

2023

Numeracy Operational Plan

K-6



LANCELIN PRIMARY SCHOOL

2023 MATHS MONITORING AND ASSESSMENT PLAN

WEEK	TERM 1	TERM 2	TERM 3	TERM 4
	<u>Stepping Stones Program: Formative Assessment Options</u> Observations and Discussions Journals and Portfolios			
	<u>Stepping Stones Program: Summative Assessment Requirements</u> **All results to be recorded electronically on Shared Drive: 2023 Numeracy Profile **All check-ups and tests to be sent home for parent perusal **All results recorded on LPS Student Assessment File Check-ups 1&2 at the end of each module Quarterly Test at the end of each term			
1				
2				
3	End of Module 1 Check-up	End of Module 4 Check-up	End of Module 7 Check-up	End of Module 10 Check-up
4	PP On Entry Maths Test			PP yr1 & yr2 On Entry Maths targeted students (IEP)
5	Math GEP's & IEP's completed			
6	End of Module 2 Check-up	End of Module 5 Check-up	End of Module 8 Check-up	End of Module 11 Check-up
7	YEAR 3 AND 5			
8	NAPLAN NUMERACY			
9	End of Module 3 Check-up	End of Module 6 Check-up	End of Module 9 Check-up	End of Module 12 Check-up
10	End of Module 3 Test Revision of Modules 1-3	End of Module 6 Test Revision of Modules 4-6	End of Module 9 Test Revision of Modules 7-9	End of Module 12 Test Revision of Modules 10-12

Kindergarten - Numeracy

Data Analysis (what does the data tell us?)	Targets (where are we heading)	Strategies (How will we meet our targets)	Resourcing (What will we need to meet our targets)	Success Indicators (what will tell us that we have been successful?)
<p>On-entry Pre Primary concepts 2022 back mapping indicates 2023 Kindy teaching and learning focus should be:</p> <ul style="list-style-type: none"> Principles of Counting Basic shapes and colour recognition Simple interpretation of graphs Locational relationships Simple connections between time and events Manipulatives Oral language modelling Directed activities Play based activities Immersion in mathematical language Small group rotations 	<p>To prepare for On- Entry Pre Primary Term One 2022 back mapping should occur to include:</p> <ul style="list-style-type: none"> Estimate and count using Whole numbers Recognise and use patterns and relationships Use fractions in every day experiences Use spatial reasoning Interpreting data Use measurement 	<ul style="list-style-type: none"> Teacher made resources relevant to the cohorts ability Maths online resources (IPad) Daily warm up Cross curricula links—with particular focus with literacy and numeracy 	<ul style="list-style-type: none"> * IPad * Manipulatives * Teacher made resources * Smart Board * Jellybean table 	<ul style="list-style-type: none"> On –Entry 2022 to confirm the 2023 Kindergarten Numeracy program: with 80% of the stable cohort achieving 0.5 numeracy progression points LPS Assessment File Teacher assessments RTP

Numeracy Operational Planning PP-2

Data Analysis (what does the data tell us?)	Targets (where are we heading)	Strategies (How will we meet our targets)	Resourcing (What will we need to meet our targets)	Success Indicators (what will tell us that we have been successful?)
Data will be based on the 2022 LPS Assessment file information (K) and PP On Entry data (2023)	<p>To implement a whole school monitoring and assessment plan for numeracy at Lancelin PS to consolidate teacher knowledge and develop best practice further developing skills in teaching numeracy.</p> <p>To create Individual and Group Education Plans to target specific areas and needs of students, with a focus on differentiated instruction.</p>	<ul style="list-style-type: none"> • Whole school Implementation of Numeracy Monitoring and Assessment Plan • Teachers to deliver Maths PAT pre-test assessment and analyse data to establish student starting points and allow for differentiation • I Star teaching model • Gradual release model • Hands on activities • Manipulatives • Concrete materials • ICT for knowledge consolidation 	<ul style="list-style-type: none"> • Staff to receive a copy of 2019 Numeracy Monitoring and Assessment Plan. • Stepping Stones module booklets • Stepping Stones Ongoing Practice books 	<ul style="list-style-type: none"> • Teacher input and feedback sought on structure of assessment plan • Numeracy Specialist to monitor teacher fulfilment of monitoring and assessment plan • Ongoing analysis and Teacher feedback on data gathered • Term 4 On Entry results
<p>On-entry Pre Primary data 2022 indicates:</p> <ul style="list-style-type: none"> • Students require play based learning strategies • 80% of students are at or above expected level at beginning of year. • 20% below with an IEP/ GEP in place • More formalised explicit teaching required towards the end of the year 	<p>To maintain a common whole school numeracy structure and approach across the school.</p> <ul style="list-style-type: none"> • Including common language • Word walls • Stimulus posters • Focus on basic number fact fluency • ICT component (Mathletics) • Numeracy rotations • Paul Swann games and Problem Solving activities • Origo Maths online resources and games • Stepping Stones maths resources books • Stepping Stones ongoing practice books 	<ul style="list-style-type: none"> • Use on –entry data and stepping stones module check ups to identify deficiencies and target students learning needs. • Numeracy Block in year level cohorts based on: • LPS Beliefs about Numeracy • Guiding Principles • Explicit Teaching Structure; and • Gradual Release of Responsibility Model • I STAR Model I do - We do - You do 	<ul style="list-style-type: none"> • Staff to receive a copy of Numeracy Plan 2019. • Stepping Stones Textbooks (parent funded) • \$500 Stepping Stones Licence for Online Program. • Stepping Stones Maths Teacher Resources in Library. • Maths Resource Room – Stepping Stones resources; maths equipment; visual aids; concrete materials; Paul Swan maths sets and games. • Numeracy Specialist to co-ordinate staff collaboration time and teacher support where need is identified. 	<ul style="list-style-type: none"> • Numeracy Specialist to collaborate with teachers to assist the implementation of numeracy block and delivery of Stepping Stones program. • Numeracy Specialist and Admin Staff to seek teacher input and feedback during staff meetings, phase meetings and individual meetings. • Stepping Stones Module check ups and Quarterly tests

Numeracy Operational Planning PP-2 cont.

Data Analysis (what does the data tell us?)	Targets (where are we heading)	Strategies (How will we meet our targets)	Resourcing (What will we need to meet our targets)	Success Indicators (what will tell us that we have been successful?)
<p>Data will be based on the 2022 LPS Assessment file information (K) and PP On Entry data (2023)</p> <p>To identify students who are not achieving standard from 2023 On Entry Data (Term 1 2023) and class based assessments</p>	<p>To consolidate teacher's knowledge of best practice and continue to further develop skills in teaching numeracy effectively.</p>	<ul style="list-style-type: none"> In accordance with the Numeracy Plan, the delivery of numeracy concepts and content are based on the principles of: the gradual release of responsibility model; and the I STAR model I do We do You do Teachers to use a variety of explicit strategies and visual, concrete and hands-on experiences for all students Kindergarten to Year 6. Professional Learning (internal and external) offered to all teachers based on Numeracy plan and applicable strategies. 	<ul style="list-style-type: none"> Staff Copy of Numeracy Plan 2021. \$1400 Maths Resources (included in the \$2000 Maths budget) – restocking and new purchases of Stepping Stones resources; maths equipment; visual aids; concrete materials; Paul Swan maths sets and games. Numeracy Specialist to co-ordinate school based professional learning where deemed necessary. Staff to participate in external professional learning where need is identified. 	<ul style="list-style-type: none"> Numeracy Specialist to seek teacher input and feedback during staff meetings, phase meetings and individual meetings in regards to: the implementation of the I STAR model the availability of adequate visual, concrete and hands-on maths resources. Teacher input sought on whole school and/or individual professional learning needs. Teachers to deliver information and/or outcomes to other staff following professional learning participation.
	<p>To maintain a common whole school numeracy structure and approach across the school.</p> <ul style="list-style-type: none"> Including common language Word walls Stimulus posters Focus on basic number fact fluency ICT component (Mathletics) Numeracy rotations Paul Swann games and Problem Solving activities Origo Maths online resources and games Stepping Stones maths resources books Stepping Stones ongoing practice books 	<ul style="list-style-type: none"> Use data from 2023 On Entry assessments and Teacher observation/judgements to create Group Education Plans and Individual Education Plans. 	<ul style="list-style-type: none"> Numeracy Profile data entered on the shared drive for class teachers to access to assist the formation of year level IEP and GEP 	<ul style="list-style-type: none"> Teachers to create GEP and IEP for identified students and regularly review plans and monitor student progress. Numeracy Specialist to support teachers to create and review GEP and IEP SEN reporting where necessary

Numeracy Operational Planning 3-6

Data Analysis	Targets	Strategies	Resourcing	Success Indicators																																		
(what does the data tell us?)	(where are we heading)	(How will we meet our targets)	(What will we need to meet our targets)	(what will tell us that we have been successful?)																																		
<ul style="list-style-type: none">Data will be based on the 2022 LPS Assessment file information (previous year) andLPS assessment File data (term 1 2023) (to be entered Week 8 of term)	<p>To implement a whole school monitoring and assessment plan for numeracy at Lancelin PS.</p>	<ul style="list-style-type: none">Whole school Implementation of Numeracy Monitoring and Assessment Plan	<ul style="list-style-type: none">Staff to receive a copy of 2023 Numeracy Monitoring and Assessment Plan. <p>Maths Budget \$2000</p>	<ul style="list-style-type: none">Teacher input and feedback sought on structure of assessment planLPS Student Assessment File																																		
<table><tr><td>TERM 4 2022</td><td>TERM 1 2023</td></tr><tr><td>% Year 3</td><td>% Year 3</td></tr><tr><td>Below</td><td>Below</td></tr><tr><td>At</td><td>At</td></tr><tr><td>Above</td><td>Above</td></tr><tr><td>% Year 4</td><td>% Year 4</td></tr><tr><td>Below</td><td>Below</td></tr><tr><td>At</td><td>At</td></tr><tr><td>Above</td><td>Above</td></tr><tr><td>% Year 5</td><td>%Year 5</td></tr><tr><td>Below</td><td>Below</td></tr><tr><td>At</td><td>At</td></tr><tr><td>Above</td><td>Above</td></tr><tr><td>% Year 6</td><td>%Year 6</td></tr><tr><td>Below</td><td>Below</td></tr><tr><td>At</td><td>At</td></tr><tr><td>Above</td><td>Above</td></tr></table>	TERM 4 2022	TERM 1 2023	% Year 3	% Year 3	Below	Below	At	At	Above	Above	% Year 4	% Year 4	Below	Below	At	At	Above	Above	% Year 5	%Year 5	Below	Below	At	At	Above	Above	% Year 6	%Year 6	Below	Below	At	At	Above	Above	<p>To maintain a common whole school numeracy structure and approach across the school.</p> <ul style="list-style-type: none">Including common languageWord wallsStimulus postersFocus on basic number fact fluencyICT component (Mathletics)Numeracy rotationsPaul Swann games and Problem Solving activitiesOrigo Maths online resources and gamesStepping Stones maths resources booksStepping Stones ongoing practice books	<ul style="list-style-type: none">Teachers to deliver Stepping Stones and analyse data to establish student starting points and allow for differentiationStepping Stones whole school resourcesManipulativesDirected differentiated tasksMathleticsProdigyGroup rotationsInvolving Mathematics across the curriculumNumeracy Block in year level cohorts based on:<ul style="list-style-type: none">LPS Beliefs about NumeracyGuiding PrinciplesExplicit Teaching Structure; andGradual Release of Responsibility ModelI STAR Model	<ul style="list-style-type: none">Staff to receive a copy of Numeracy Plan 2021.Stepping Stones Textbooks (parent funded)\$500 Stepping Stones Licence for Online Program.Stepping Stones Maths Teacher Resources in Maths resource roomMaths Resource Room – Stepping Stones resources; maths equipment; visual aids; concrete materials; Paul Swan maths sets and games.Numeracy Specialist to co-ordinate staff collaboration time and teacher support where need is identified.	<ul style="list-style-type: none">Numeracy Specialist to monitor teacher fulfilment of monitoring and assessment planTeacher analysis and feedback on benefits of data gatheredEnd of module testingCheck upsLPS Student Assessment FileWork SamplesRTPNumeracy Specialist to collaborate with teachers to assist the implementation of numeracy block and delivery of Stepping Stones program.Numeracy Specialist and Admin Staff to seek teacher input and feedback during staff meetings, phase meetings and individual meetings.
TERM 4 2022	TERM 1 2023																																					
% Year 3	% Year 3																																					
Below	Below																																					
At	At																																					
Above	Above																																					
% Year 4	% Year 4																																					
Below	Below																																					
At	At																																					
Above	Above																																					
% Year 5	%Year 5																																					
Below	Below																																					
At	At																																					
Above	Above																																					
% Year 6	%Year 6																																					
Below	Below																																					
At	At																																					
Above	Above																																					

Numeracy Operational Planning Year 3-6

Data Analysis (what does the data tell us?)	Targets (where are we heading)	Strategies (How will we meet our targets)	Resourcing (What will we need to meet our targets)	Success Indicators (what will tell us that we have been successful?)
	<p>To consolidate teacher's knowledge of best practice and continue to further develop skills in teaching numeracy effectively.</p> <p>To create Individual and Group Education Plans to target specific areas and needs of students, with a focus on differentiated instruction.</p>	<ul style="list-style-type: none"> In accordance with the Numeracy Plan, the delivery of numeracy concepts and content are based on the principles of: <ul style="list-style-type: none"> the gradual release of responsibility model; and the I STAR model Teachers to use a variety of explicit strategies and visual, concrete and hands-on experiences for all students Kindergarten to Year 6. Professional Learning (internal and external) offered to all teachers based on Numeracy plan and applicable strategies. 	<ul style="list-style-type: none"> Staff Copy of Numeracy Plan 2021. \$1000 Maths Resources (included in the \$2000 Maths budget) – restocking and new purchases of Stepping Stones resources; maths equipment; visual aids; concrete materials; Paul Swan maths sets and games. Numeracy Specialist to co-ordinate school based professional learning where deemed necessary. Staff to participate in external professional learning where need is identified. 	<ul style="list-style-type: none"> Numeracy Specialist to seek teacher input and feedback during staff meetings, phase meetings and individual meetings in regards to: <ul style="list-style-type: none"> the implementation of the I STAR model the availability of adequate visual, concrete and hands-on maths resources. Teacher input sought on whole school and/or individual professional learning needs. Teachers to deliver information and/or outcomes to other staff following professional learning participation.
	<p>To maintain a common whole school numeracy structure and approach across the school.</p> <ul style="list-style-type: none"> Including common language Word walls Stimulus posters Focus on basic number fact fluency ICT component (Mathletics) Numeracy rotations Paul Swann games and Problem Solving activities Origo Maths online resources and games Stepping Stones maths resources books Stepping Stones ongoing practice books 	<ul style="list-style-type: none"> Use data from 2020 NAPLAN results, Stepping Stones modules test results and IEP/GEP progress notes to create Group Education Plans and Individual Education Plans. Consolidate use of mathematics as a teaching and learning tool for all students from Pre-Primary to year 6. 	<ul style="list-style-type: none"> Numeracy Profile data entered on the shared drive for class teachers to access to assist the formation of year level IEP and GEP \$2100 Mathletics licence 	<ul style="list-style-type: none"> Teacher's to create GEP and IEP for identified students and regularly review plans and monitor student progress. Numeracy Specialist to support teachers to create and review GEP and IEP. Numeracy Specialist to seek teacher input in regards to use of Mathletics across the school and feedback on the effectiveness of the program as a teaching and learning tool.