HINCKS AVENUE PRIMARY SCHOOL – MATHS AGREEMENT 2022 - 2024

PEDAGOGICAL PRACTICES	MON	MONITORING STUDENT PROGRESS				RESS	UNDE	
High Impact Teaching Strategies			NAPLAN	PAT:			R	
Targeted Differentiated Teaching: Teachers build on what each student knows and uses this information to identify and scaffold learning needs. They use data to inform enrichment priorities as well as track and monitor mastery and progress. Logical and Intentional Sequencing of lessons (using SA Scope and Sequence): Teachers build connections in learning using sequenced and intentional steps that support students to develop their own learning goals. Provide students with clear transitions between lessons, activities and predictable routines. Clear Learning intentions (using SA Curriculum Units/ Learning Progressions): Teachers develop and effectively communicate clear Learning intentions. Students will know what is expected of them to be successful in terms of knowledge, skills, understanding, attitudes and values (Success criteria). Explicit Teaching (informed by 'background skills' required for curriculum access): Teachers plan 'direct instruction' activities / warm-ups to: define Ll, provide clear instructions, model processes, correct misconceptions, promote BliN strategies, provide examples of good learning, and promote meta-cognitive strategies such as problem solving skills.	n. of learning while a student is at HAPS.	efore they progress with their learning. Ient.		Early Years Tests	laborative moderation processes.	OBSERVATIONS & QUESTIONS. Annotations on work samples, photos, etc	1	
Teachers provide timely advice and actionable feedback for all students, including next steps in learning. Formative assessment practices included peer, small group and individual feedback. Scaffold Learning: To ensure gradual release of responsibility (guided - shared - independent) Multiple approaches: Deep learning is developed through multiple interactions with concepts encountered in a variety of situations.	Y PROGRESSIONS: nathematical progressic to ensure the continuity	SMENTS: ve achieved MASTERY b noted gaps in developm			I A to E: tices honed through col		2	
Task / Lesson Design OPEN the task to encourage multiple methods, pathways and representations POSE A PROBLEM to invite curiosity before teaching the method Design a task that ALLOWS ALL LEARNERS TO CONTRIBUTE TO THE LEARNING & have room for extension (<i>low floor / high ceiling</i>) Make opportunities for learners to authentically SHARE THEIR LEARNING with peers Add a CONCRETE – PICTORIAL – ABSRACT approach to build visualisation skills	rriculum – NUMERAC ed along a continuum of n as a handover document t	DEAS in NUMBER ASSES evel to ensure students ha ned to explicitly teach any	SEA Band 3	SEA 101	STRALIAN CURRICULUM iculum. Valid and fair pract	F: ing mathematics.	3	
Incorporate VISIBLE THINKING routines. Build a Mathematical Mindset Community Jo Boaler: You Cubed Teachers and students believe that everyone can learn maths at HIGH LEVELS Students are not always grouped by achievement All students are offered high level work with "I know you can do this, I believe in you" (Note: The students are offered high level work with "I know you can do this, I believe in you"	Australian Cu Students can be trach student targets and used	BIG II ts are used at each year l Interventions are desig		SEA 110	AU : gainst the Australian Curr	RMATIVE ASSESSMEN1 A Units of Work for teach	4	
 Students vocalise self-belief and confidence The Maths is VISUAL Tasks are presented visually and students draw their ideas creatively to explain their thinking The environment is filled with WONDER and CURIOSITY Students extend their work and <i>investigate</i>. They see maths as an unexplained puzzle. Students freely ask and pose questions to seek important information. COMMUNICATION and CONNECTIONS are valued Teachers create opportunities for students to see connections related to their lives and the world. Students work in groups to share ideas, visuals and relate their ideas and connections. The Maths is OPEN 	s is highlighted for individual	most appropriate assessment	SEA Band 5	SEA 112	Informs student progress ag	FOI Embedded in the S/	5	
 Students are encouraged to see maths differently and use and share different ideas, methods and perspectives. Creativity is valued and modelled so that everyone's work looks different from each other The classroom is a risk-taking, mistake valuing environment. Students share ideas even when they are wrong, where they seek to understand rather than correct. We work together when stuck and feel comfortable. 	Thi	The		SEA 120			6	

ERPIN	NING	SKILLS	5 & KN	OWLEDGE
		ADDITIVE THINKING Developing efficient mental computation strategies	Understanding the BIG IDEAS in NUMBER underpins teaching and learnir of the Australian Curriculum: Maths a HAPS. Mastery of these building blocks results in reduced cognitive load, allowing smoother progression through	
TRUSTING THE COUNT: Develop flexible mental objects for numbers 0-10	PLACE VALUE: Importance of moving beyond counting by ones	ADDITIVE & MUTLIPLICATIVE THINKING Developing efficient mental computation strategies	by BARTITIONING: Master an incl about transfer other of transfer other offer other	Istralian ulum: ematics. ry also provides reased ability to learning to real- uations and er knowledge to contexts.
			Building common frac	REASONING / GENERALISATION Solving problems / engaging with broader curriculum expectations