

Certification 2

I use Mathletics to develop my students as learners and ensure maximum individual results

STUDENT ENGAGEMENT OUTCOME

Each of my students has their own targeted and individual learning pathway

Indicators	TIPS FOR SUCCESS
My students' engagement is maintained with regular recognition of achievements eg presentation of certificates, special trophies and class parties	Incorporate Mathletics results as a percentage of a student's overall class mark
	Let students know that tests earn them double points
	Using IWB and Teacher Demonstration, play reward games together in class (you will need to earn gold bars first to unlock games)
	Arrange your class into teams and tally weekly results in visual charts. Allow students to take responsibility to record and track data
My students can use Mathletics to find the information they need to answer a question eg using the Support, Concept Search, Dictionary	Encourage student inquiry to deepen their concept knowledge
	Develop students' initiative taking skills by encouraging appropriate tool selection to solve a question or problem
My students can identify and select activities which will help them to progress, and access Harder/Easier activities	Raise student awareness of their mastery progress and put students in control of their learning
	Remind students to repeat an activity three times to ensure consolidation of concepts and improved understanding
	Encourage students to strive for Human Calculator status at each level in Live Mathletics
My students use their curriculum results to reflect on their learning and identify what they need to do to progress	Students can target their progress by checking their gold bar or medal status
	Students who reflect on their activity progress report after each activity improve their results by identifying incorrect/correct answers
	Acknowledge those students who have achieved mastery having repeated activities more than once
	Suggest students target red bar or red medal activities - these are yet to be mastered
I use Live Mathletics to model and teach number strategies to my class	Plan class or group activities using Live Mathletics in Teacher Demonstration
	Encourage students to strive for Human Calculator status in each level
	Use Live Mathletics to demonstrate and identify number strategies to improve speed and accuracy eg jump, skip and compensation strategy

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TEACHING OUTCOMES

I use a range of Mathletics resources and strategies to develop independent learners

Indicators	TIPS FOR SUCCESS
I regularly create, edit and adjust groups in my class to cater for the changing needs of individual learners	Group students by ability and assign them an appropriate course
	Create core, extension and remedial groups within your class
I integrate eBooks / interactives in my lesson to teach mathematical concepts and problem solving strategies	Use an IWB to explore individual concepts within eBooks or illustrate them by manipulating the interactives
	Print single pages or entire eBooks to introduce or reinforce learning
I use Results and Reports to provide feedback to my students	Let your students know that you can see their results and all their attempts
	Use reports as an opportunity to open goal setting dialogue with your students
	Set appropriate minimum levels in Live Mathletics to encourage progression from levels 1-10
I regularly use Results to set support, core and extension activities for individuals and groups in my class	Set tasks for your students to provide an in class focus and support your lesson
	Be mindful when setting tasks not to overload your students Set less tasks more frequently for best results
	Improve class results by resetting activities to move students towards mastery
I use the Course area to provide personal learning pathways for my students	Modify Course content to suit to individual or group requirements
I use Mathletics to develop different mathematical skills eg problem-solving, mental and written calculation strategies, fact recall	Select appropriate activities from eBooks, curriculum activities and Live Mathletics and use the examples to create discussions about efficient numeracy strategies
I use Mathletics with a range of teaching and learning strategies eg group work, whole class teaching, peer teaching, collaborative learning and individual study	Strategies may include reflection journals, thinking journals and jigsaw or group work approaches
	Complete a curriculum activity together as a model for your class then set the same activity using Results so that it comes up automatically for them to complete independently
	Use Support as an explicit teaching aid (using easy, medium and hard examples)
I use the Lessons feature to introduce, explore and reinforce new concepts	Pre-prepare lessons using a range of curriculum activities, videos and interactives that help to cater for all learning styles



Lead Educator Program

Tips For Success

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ASSESSMENT OUTCOMES

I use Mathletics results to inform my teaching both formatively and summatively

Indicators	TIPS FOR SUCCESS
I use Results and Reports to identify whole class, group or individual strengths and weaknesses and use this data to inform my mathematics planning	Early reflection on student results and reports helps to target and support learning
	Consider setting an Are You Ready? or topic test prior to teaching a new topic to measure your students' readiness
	Refer to the recommendations in Live Mathletics to set minimum levels in Live
I adjust Mathletics courses, Live Mathletics levels and class groupings based on data from Results and Reports for individuals, groups and classes	Create personal student learning throughout the year by reflecting on results and supporting students accordingly
	Set minimum levels in Live Mathletics throughout the school term and then remove them during the school holidays. Whole class groups can be locked out of lower levels in Live Mathletics by choosing "select all"
	Show or hide topics in your Course to control the pace of delivery and ensure your students focus on the key concepts you are teaching
	Reveal new topics just prior to teaching. Leave topics taught visible for revision
	Match activities to your scope and sequence when developing custom courses
I export and use Mathletics results as part of my end of semester or end of year assessments	By saving exported results at both mid-year and end of year, reporting can reflect student improvement
	Include the results in reporting progress to parents
I use Assessments and topic tests for diagnostic, formative and summative assessment	Identify student strengths and weaknesses by setting Are You Ready? Tests and Assessments topic tests relevant to your teaching program
	Benchmark students by scheduling tests early in the school year and resetting mid year to measure improvements