

Mathletics Teacher Certification Getting Started Guide

Mathletics



Download

- Access your Mathletics Certification Pack from mathletics.com/certification



Self Certification

- Refer to the Mathletics Self Certification Assessment Grid and mark off achieved outcomes



Learn

- Undertake relevant training from the suite of training options available in order to achieve remaining outcomes



Validation and Recognition

- Complete the online self-certification assessment tool
- Receive your Mathletics certification



Build Momentum

- Continue to move along the Certification Pathway
- Encourage colleagues to participate in the initiative
- Follow our Mathletics blog for further updates, insights, tips and tricks

What is a Mathletics Certified Teacher?

Mathletics Certified Teachers Demonstrate:

- ✓ An ability to engage, teach and assess using Mathletics
- ✓ An up to date knowledge of the range of Mathletics teacher tools and how they can positively impact teaching and learning
- ✓ Successful integration of Mathletics results and a desire to learn innovative ways of Mathletics adoption

DOWNLOAD the Mathletics Certification Pack from mathletics.com/certification

PARTICIPATE by attending a webinar, workshop or learn via our Help Hub (support.3plearning.com) and FAQ

COMPLETE the online assessment tool for final certification

Contact the Team at:
leadeducator@3plearning.com

Mathletics Teacher Certification Self Certification Assessment Grid



Name	School	School Certification Code

Mathletics Certification 1			Mathletics Certification 2			Mathletics Lead Educator		
OVERALL OBJECTIVE								
My students use Mathletics as part of their learning process to improve results			I use Mathletics to develop my students as learners and ensure maximum individual results			I integrate Mathletics to target and improve whole school numeracy goals		
STUDENT ENGAGEMENT OUTCOMES								
My students regularly use Mathletics for learning			Each of my students has their own targeted learning pathway			My students belong to a connected learning community at home and at school		
11.1	My students access Live Mathletics independently at school and at home	<input type="checkbox"/>	12.1	My students' engagement is maintained with regular recognition of achievements eg presentation of certificates, special trophies, class parties	<input type="checkbox"/>	ILE.1	I coordinate participation in class or school events	<input type="checkbox"/>
11.2	My students access Mathletics curriculum activities independently at school and at home	<input type="checkbox"/>	12.2	My students use Mathletics to find the information they need to answer a question eg using Support and Math A-Z	<input type="checkbox"/>	ILE.2	I administer in-school Mathletics competitions	<input type="checkbox"/>
11.3	My students understand the points and rewards systems, know how to earn a certificate and I acknowledge their success	<input type="checkbox"/>	12.3	My students can select activities from their core curriculum and Something Easier activities to direct their learning	<input type="checkbox"/>	ILE.3	I provide teachers with strategies to keep students engaged in their mathematics learning	<input type="checkbox"/>
11.4	My students are encouraged to repeat curriculum activities, and are aware that questions are randomly generated and adaptive	<input type="checkbox"/>	12.4	My students use their curriculum results to reflect on their learning and what they need to do to progress	<input type="checkbox"/>	ILE.4	I define and implement school-wide recognition strategies for greater school engagement	<input type="checkbox"/>
11.5	My students use Support or Math A-Z when they need help	<input type="checkbox"/>	12.5	I use Live Mathletics to model and teach number strategies to my class	<input type="checkbox"/>	ILE.5	Student achievement in Mathletics is acknowledged throughout the school	<input type="checkbox"/>
11.6	My students reflect on and connect their math learning with Mathletics	<input type="checkbox"/>				ILE.6	I support whole school engagement through involving parents, communicating success stories and updating the school community with developments in Mathletics	<input type="checkbox"/>
11.7	My students' parents are invited to receive weekly email reports of their child's progress	<input type="checkbox"/>						

Mathletics Teacher Certification Self Certification Assessment Grid



Mathletics Certification 1			Mathletics Certification 2			Mathletics Lead Educator		
TEACHING OUTCOMES								
I use the Mathletics teacher console resources to enrich the learning process for my students			I use a range of Mathletics resources and strategies to develop independent learners			I support all teachers in using Mathletics effectively		
11.8	I use Student View for whole class and group teaching	<input type="checkbox"/>	12.6	I regularly create, edit and adjust groups in my class to cater for the changing needs of individual learners	<input type="checkbox"/>	ILE.7	I provide new teacher training and ongoing teacher training as part of the school professional development program	<input type="checkbox"/>
11.9	I use eBooks in Library as an additional teaching resource	<input type="checkbox"/>	12.7	I integrate eBooks/rich tasks/interactives in my lesson to teach mathematical concepts and problem solving strategies	<input type="checkbox"/>	ILE.8	I support teachers in moving through the Mathletics Certification pathway	<input type="checkbox"/>
11.10	I use Assign to set activities for my students	<input type="checkbox"/>	12.8	I use Assign, Results and Reports to provide feedback to my students	<input type="checkbox"/>	ILE.9	I ensure that the use of Mathletics is included in school mathematics planning	<input type="checkbox"/>
			12.9	I regularly use Assign to set support and core activities for individuals and groups in my class	<input type="checkbox"/>	ILE.10	I provide expert assistance to colleagues in integrating Mathletics technologies to improve results in my school	<input type="checkbox"/>
			12.10	I use the Course area to provide personal learning pathways for my students	<input type="checkbox"/>	ILE.11	I keep abreast of Mathletics product development to provide my school community with regular insights and updates regarding teaching and learning	<input type="checkbox"/>
			12.11	I use Mathletics to develop different mathematical skills eg problem solving, mental and written calculation strategies, fact recall	<input type="checkbox"/>			
			12.12	I use Mathletics with a range of teaching and learning strategies eg group work, whole class teaching, peer teaching, collaborative learning	<input type="checkbox"/>			
			12.13	I use the pre-made lesson plans to introduce, explore and reinforce new concepts	<input type="checkbox"/>			

Mathletics Teacher Certification Self Certification Assessment Grid



Mathletics Certification 1			Mathletics Certification 2			Mathletics Lead Educator					
ASSESSMENT OUTCOMES											
I use the Mathletics teacher console resources for assessment			I use Mathletics results to inform my teaching both formatively and summatively			I monitor numeracy progress across the school and implement support to teachers					
11.11	I use Reports to review progress in curriculum topics and Live Mathletics	<input type="checkbox"/>	12.14	I use Assign, Results and Reports to identify whole class, group or individual strengths and weaknesses and use this data to inform my mathematics planning	<input type="checkbox"/>	ILE.12	I use School usage to review whole school progress and to provide feedback to teachers	<input type="checkbox"/>			
11.12	I use Tests and topic tests as part of the learning process	<input type="checkbox"/>	12.15	I adjust Mathletics courses, Live Mathletics levels and class groupings, based on data from Results and Reports for individuals, groups and classes	<input type="checkbox"/>	ILE.13	I use class and school results to inform long term mathematics planning	<input type="checkbox"/>			
			12.16	I use Reports to export and use results as part of my overall assessment of students	<input type="checkbox"/>	ILE.14	I interpret student assessments to identify areas of improvement or trends and to provide strategies for remediation	<input type="checkbox"/>			
			12.17	I use Tests and topic tests for diagnostic, formative and summative assessment	<input type="checkbox"/>	ILE.15	I provide expert training for teachers in using Assign, Results and Reports to assess their classes	<input type="checkbox"/>			
			ILE.16	I provide teachers with a Mathletics assessment plan eg how to assess and when	<input type="checkbox"/>	ILE.17	I have accessed training resources to support my learning through the Help Hub	<input type="checkbox"/>			
MY COMMUNITY											
			I use Mathletics to build a school community of math learning								
			12.18	I share my Mathletics learnings with colleagues	<input type="checkbox"/>						
			12.19	I share my experience in integrating Mathletics in the community	<input type="checkbox"/>						

Mathletics Teacher Certification

Level 1 Tips for Success



Mathletics Certification Level 1

My students use Mathletics as part of their learning process to improve results

Student Engagement Outcomes

My students regularly use Mathletics for learning

Indicators		Tips for Success
11.1	My students access Live Mathletics independently at school and at home	Set a regular Live Mathletics night for homework where students can play classmates
		Remind students to go for accuracy as well as speed
		Recommend students target their Bonus level in Live Mathletics
		Use Live Mathletics as a reward or warmup before a math lesson
11.2	My students access Mathletics curriculum activities independently at school and at home	Assign Curriculum activities for homework
		Let students know that you can view their results in your teacher console
		Remind students that they earn 10 times as many points in a curriculum activity as in Live Mathletics
11.3	My students understand the points and rewards systems, know how to earn a certificate and I acknowledge their success	Set students a target to earn their first Bronze, Silver or Gold certificate
		Present Silver or Gold certificates in assembly
		Encourage students to make their way onto the National and World Halls of Fame on the Mathletics home page
		Create a class or school Wall of Fame to display Mathletics Certificates
		Encourage students to budget their credits for a special purchase in the avatar shop
11.4	My students are encouraged to repeat curriculum activities, and are aware that questions are randomly generated	Set targets to convert a certain number of results to gold bars in a week. Record this on a wall chart or individual tracker
		Go for Gold! Students are rewarded with avatar credits when they improve their results - tell them to click Try Again to strive for mastery (85%+)
11.5	My students use Support or Math A-Z when they need help	Use Support or Math A-Z to introduce new terms or methods to answer a question
		Put students in control of their own learning by accessing step-by-step support
11.6	My students reflect on and connect their math learning with Mathletics	Encourage students to journal about their learnings in Mathletics
		Integrate Mathletics during student led conferences
11.7	I invite my parents to subscribe to receive weekly email reports of their child's progress	Distribute the letter for parents or post on your classroom blog

Mathletics Teacher Certification

Level 1 Tips for Success



Mathletics Certification Level 1

Teaching Outcomes

I use the Mathletics teacher console resources to enrich the learning process for my students

Indicators		Tips for Success
11.8	I use Student View for whole class and group teaching	Use Student View to model curriculum activities before the students complete independently
		Access Live Mathletics to compete against your students
11.9	I use eBooks in Library as an additional teaching resource	Create a blended learning environment by using with online activities
		Display eBook problem-solving activities on an Interactive whiteboard for collaborative work
		Print a worksheet to support teaching of a concept in group rotations
		Interactives embedded within eBooks are ideal to visually support concepts
11.10	I use Assign to set activities for my students	Create custom workbooks to cater for individual needs
		Set less activities more frequently especially for younger students
		Set curriculum activities for homework and then reference the Assign markbook to strategically group students
		Ensure students are working on the activities that support your teaching program

Assessment Outcomes

I use the Mathletics teacher console resources for assessment

Indicators		Tips for Success
11.11	I use Reports to review progress in curriculum topics and Live Mathletics	Use the export button to save data and use as evidence of progress for student reports and/or reviews
		Use Results to identify class progress and understanding
11.12	I use Tests and topic tests as part of the learning process	Use Tests in preparation for provincial assessments without the pressure of a test environment
		Set an existing test relevant to your teaching program and use the results to determine teaching direction
		To assess the impact of Mathletics, set formative and summative assessments and compare results