

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

Mathletics

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	I ensure that student achievement in Mathletics is acknowledged throughout the school	<input type="checkbox"/>
11.6	My students reflect on and connect their mathematics 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

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

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 access training resources to support my learning through the Help Hub	<input type="checkbox"/>			
MY COMMUNITY								
			I use Mathletics to build a school community of mathematics 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 Certification Lead Educator

I integrate Mathletics to target and improve whole school numeracy goals

Student Engagement Outcomes

My students belong to a connected learning community at home and at school

Indicators		Tips for Success
ILE.1	I coordinate participation in class or school events	Register one or more classes, year levels or the entire school in 3P Learning challenges
		Promote competitions over school announcements, parent letters or school social media channels
		Make signing in easy for junior students by simplifying passwords
		Acknowledge student or class appearance in the Hall of Fame by taking a screenshot and celebrating either by email or in class
ILE.2	I administer in-school Mathematics competitions	Use the Live Mathletics v Class and v School options to run a school or class-based competition
		Implement longer range competitions based on total class points. This will incorporate mental arithmetic and curriculum results
		Challenge other classes in your school to be top ranked on the Mathletics Hall of Fame
		Coordinate a school or class competition using Live Mathletics
ILE.3	I provide teachers with strategies to keep students engaged in their mathematics learning	Create Class of the Term awards based on certificates and Live Mathletics tallies
		Inform teachers that secondary students appreciate assessment marks for Mathletics participation when completing assigned activities
		Integrate Mathletics rewards with your in-school reward system
		Suggest teachers motivate students with Live Mathletics or Multiverse game time at the end of a curriculum lesson and free access to Mathletics as a reward
		Direct teachers to use Mathletics eBooks to find ideas to connect mathematics with real-life experiences
		Demonstrate a lesson for your colleagues to share great teaching ideas
		Consider opening up library or computer lab access to students
		Have older students mentor younger students during first term. Older students improve their literacy and numeracy skills by supporting junior students
		Consider locking upper elementary and high school students out of lower levels in Live Mathletics
Encourage students by running a class competition with the winning class rewarded with a small prize or certificate		
ILE.4	I define and implement school-wide recognition strategies for greater school engagement	Use trophies, bracelets and certificates to acknowledge school achievement
		Regular newsletter recognition of students
ILE.5	I ensure student achievement in Mathletics is acknowledged throughout the school	Provide a Class Wall of Fame displaying certificates
		Introduce a Mathlete of the Week

Mathletics Certification Lead Educator

Student Engagement Outcomes

My students belong to a connected learning community at home and at school

Indicators		Tips for Success
I.E.6	I support whole school engagement through involving parents, communicating success stories and updating the school community with developments in Mathletics	Recommend parents register for free weekly email reports on student progress at www.mathletics.com/parent
		Share a Mathletics success story in the newsletter (highest points achiever for the school for the week or announcement of Gold Certificate earners)
		Invite your school admin or district contacts to experience Mathletics in your class or school
		Offer Mathletics taster sessions for parents - highlight support features eg incorporating Mathletics in Meet the Teacher Night, set up a Mathletics station during the school open house

Teaching Outcomes

I support all teachers in using Mathletics effectively

Indicators		Tips for Success
I.E.7	I provide new teacher training and ongoing teacher training as part of the school professional development program	Conduct new teacher training or regular 10-minute sessions in year level or school meetings
		Supply new teachers with a user guide from the Help Hub
		Regularly communicate updates and focus areas which are in line with school priorities
		Facilitate mathematics PD sessions in your school, district or conventions and use mathletics as part of your workshop
		Schedule regular discussion on how to best integrate and implement learning technologies to support mathematics learning
I.E.8	I support teachers in moving through the Mathletics Certification pathway	Let your colleagues know they can earn a PD Certificate
		Run sessions to share best practices and support teachers in meeting Certification assessment criteria
		Display Mathletics Certification banners and logos on social media
		Direct new teachers to the Help Hub at support.3plearning.com
I.E.9	I ensure that the use of Mathletics is included in school mathematics planning	Involve your school leaders or Principal when planning numeracy curriculum to incorporate Mathletics
		Use curriculum alignment documents when designing yearly and unit plans
		Plan to use Mathletics in virtual classrooms and distance learning arrangements
I.E.10	I provide expert assistance to colleagues in integrating Mathletics to drive innovation and improve results in my school	Demonstrate how to integrate Mathletics using mobile devices
		Facilitate Mathletics PD sessions for teachers during school/district PD days
		Demonstrate Mathletics on a projector or interactive whiteboard
I.E.11	I keep abreast of Mathletics product development to provide my school community with regular insights and updates regarding teaching and learning	Ensure colleagues have their email address logged in the Mathletics Admin Console in order to receive Mathletics updates and training options
		Follow Mathletics on Twitter and Facebook and share interesting news
		Share insights with Mathletics colleagues, leaders and/or parents

Mathletics Certification Lead Educator

Assessment Outcomes

I monitor numeracy progress across the school and implement support to teachers

Indicators		Tips for Success
ILE.12	I use School usage to review whole school progress and to provide feedback to teachers	Monitor class and school usage and highlight any topic strengths and weaknesses at all staff or grade team meetings
		Identify exceptional users and allow them to share their usage and results at staff meetings
		Filter by date range to see a snapshot of classes who may need extra support in engaging students with Mathletics
ILE.13	I use class and school results to inform long-term mathematics planning	Use Tests to benchmark whole-school performance and identify areas for development
		Work with colleagues at the end of each term to review Mathletics results in order to inform student and class development
		Look at trends in results to help remediate mathematical misunderstandings and identify areas for school improvement
ILE.14	I interpret student assessments to identify areas of improvement or trends and provide strategies for remediation	Use outcome-based reporting in Tests to inform teaching
		Help teachers to identify what activities in the eBooks are suitable to use in class to remediate common misunderstandings
ILE.15	I provide expert training for teachers in using Assign, Results and Reports to assess their classes	Have an open-door policy for teachers who need help with using Mathletics to assess student performance
ILE.16	I provide teachers with a Mathletics assessment plan eg how to assess and when	Use Mathletics assessments to prepare students for school/regional/provincial assessment and provide teachers with training on how to schedule tests and view results

My Training

Indicators		Tips for Success
ILE.17	I access training resources to support my learning through the Help Hub	Visit the Help Hub at support.3plearning.com
		I have participated in Mathletics PD: webinars, workshops, inhouse PD