



love learning with

**Mathletics**

## The Mathletics Teacher Certification Pathway:

## Assessment Grid: LEVEL 2

Name:	School Name:	City/Province

- ✓ I use Mathletics to develop my students as learners and ensure maximum individual results.
- ✓ Each of my students have their own targeted learning pathway.

Student Outcomes		Objectives	Tips for Success
	C2.1	My students' engagement is maintained with regular recognition of achievement e.g. presentation of certificates, trophies and class parties.	Integrate Mathletics certificates in school assemblies.  Recognize students on the Hall of Fame through school announcements, school or class twitter feed or other social media.  Create a class certificate wall of fame.
	C2.2	My students can use Mathletics to find the information they need to answer a question e.g. using Support, Concept Search, Dictionary.	Have students build a math word wall in your classroom with related terms in the animated dictionary.
	C2.3	My students identify and select activities from their course and Easier/Harder activities to direct their learning.	In small ability groups, review how a Something Easier activity supports moving onto the core curriculum activities.  Direct students to access Something Easier activities if they don't achieve a gold bar for the 'Are You Ready?'
	C2.4	My students use their curriculum results to reflect on their learning and recognize what they need to do to progress.	Remind students to check their gold bar status and convert red or blue bars to gold.
	C2.5	I use Live Mathletics to model and teach number strategies to my class.	Play Live Mathletics with the whole class. At the end, review the questions and discuss which calculation strategy to use for each one.



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

	Objectives	Tips for Success
Teacher Outcomes	C2.6 I regularly create, edit and adjust groups in my class to cater for the changing needs of individual learners.	I create ability groups in my class. I adjust Live Mathletics levels to meet the individual fluency needs of my students.
	C2.7 I integrate eBooks/Rich Tasks/interactives into my lessons to teach mathematical concepts and problem-solving strategies.	Facilitate a rich task in whole class or small group instruction as a hook before starting a new concept or at the end of a lesson for consolidation. Ask students to complete an eBook activity before moving onto Mathletics curriculum activities.
	C2.8 I use Results and Reports to provide feedback to my students.	Use Results as a source of assessment when writing report cards. Use the individual student reports to discuss areas of development with students.
	C2.9 I regularly use Results to set support, core and extension activities for individuals and groups in my class.	Assign the 'Are you Ready?' activity at the beginning of each topic to highlight knowledge gaps and inform planning.
	C2.10 I use the Courses area to provide personal learning pathways for my students.	Hide strands that have not been taught yet to focus student learning. Create customized courses based on results or assigned assessments.
	C2.11 I use Mathletics to develop different mathematical skills e.g. Problem-solving, mental and written calculation strategies, fact recall.	Use curriculum word problems to model problem-solving strategies. Integrate problem solving games into math centres or small group instruction.
	C2.12 I use Mathletics to support a range of teaching and learning strategies e.g. Group work, whole class, peer teaching, collaborative learning.	Group work: Use eBooks for group facilitated activities and problem-solving. Peer teaching: Integrate Mathletics as math centres in class or a homework club.
	C2.13 I use the Lessons features or access the pre-made Mathletics lesson plans to introduce, explore and reinforce new concepts.	I integrate Mathletics lesson plans into my unit plans.



✓ I use Mathletics to inform my teaching for both formative and summative assessment.

		Objectives	Tips for Success
Teacher Outcomes	C2.14	I use Results and Reports to identify whole class, group or individual strengths and weaknesses and use this data to inform my mathematics planning.	<p>Assign the 'Are you Ready?' activity at the beginning of each topic to highlight knowledge gaps.</p> <p>Create customized courses based on student results for individualized learning pathways.</p> <p>Use Results to assign topic tests at the end of each unit to diagnose knowledge gaps.</p>
	C2.15	I adjust Mathletics courses, Live Mathletics levels and ability groups, based on data from Results and Reports for individuals, groups and classes.	Set monthly reminders to review courses, ability groups and Live Mathletics levels based on Results and Reports.
	C2.16	I export and use Mathletics Results as part of my overall assessment of students.	<p>Download and print individual student reports to add to student records.</p> <p>Share your printed Mathletics student reports at parent or school meetings.</p>
	C2.17	I use Assessments and topic tests for diagnostic, formative and summative assessment.	<p>Assess students prior learning or progress by assigning assessments at the beginning and end of the year.</p> <p>Use Results to assign topic tests at the end of each unit to diagnose knowledge gaps and inform planning.</p>

✓ I use Mathletics to build a school community of math learning.

		Objectives	Tips for Success
My Training	C2.18	I share my Mathletics learnings with colleagues.	<p>Share best practices or video tutorials with colleagues to maximize the tools available to support math learning.</p> <p>Encourage colleagues to participate in the Mathletics certificate pathway.</p>



love learning with

**Mathletics**

		Objectives	Tips for Success
My Training	C2.19	I share my experience in integrating Mathletics in the community.	Students create a video sharing their math learning, including Mathletics tools.
			Share your experience with another class or school to demonstrate blended learning, using Mathletics.

Find guides and support here: [www.3plearning.com/training](http://www.3plearning.com/training)

Submit your completed certification at [www.mathletics.com/certification](http://www.mathletics.com/certification)

“The Certification Pathway is a great program and was amazing in my continued efforts to implement Mathletics in my school.

The Certification tiers allowed me to choose which goals I wanted to achieve and I had access to online training to support my progress. This self-guided program encouraged and supported me to focus on each student's needs and goals. I feel confident to encourage students in the use of Mathletics, to support my colleagues, and engage school communities.”

**Sarah Thompson,**  
Mathletics Lead Educator, Saskatchewan

