

Student, Parent/Guardian information: Grade 9 Math (MTH 1W1)

As you are aware, the Ministry of Education introduced a new Grade 9 de-streamed math course in September 2021. The course code is MTH1W1. In the interest of offering the best opportunity for success in the course, we have adopted an Outcome-Based Assessment approach.

Outcome-Based Assessment differs from a more traditional instructional and assessment approach. The curriculum expectations are embedded in 9 course outcomes (as identified below). Throughout the course, students will be given multiple opportunities to demonstrate their knowledge of the curriculum expectations within the 9 outcomes.

MTH 1W Course Outcomes

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| 1. Working with Numbers | 6. Lines |
| 2. Algebraic Expressions and Equations | 7. Data |
| 3. Powers | 8. Financial Literacy |
| 4. Measurement | 9. Coding |
| 5. Relationships | |

The course will be taught in a way that students will initially develop a foundational knowledge and understanding of concepts so that all students see themselves as competent and capable math learners. This is one of the Ministry's key objectives for Grade 9 de-streamed math. As the concepts within each outcome are further explored and built upon throughout the course, students will have many opportunities to demonstrate increased understanding.

As a student demonstrates their learning, their level of achievement within each outcome will be updated. This will allow for individual feedback to provide students with the steps required to further their understanding of the course concepts.

To communicate a student's level of progress within each outcome we will be using the following progression:

Achievement	Level	Percent Grade
Extending Understanding	4	100%
Exceeded Standard	4	90%
Reached Standard	3	75%
Approaching Standard	2	65%
Emerging Understanding	1	55%
Limited Evidence	Below Level 1	35%
Not Yet Demonstrated	Below Level 1	0%

For each outcome, students will progress through levels of achievement, as they demonstrate increased understanding of that particular outcome.

During initial assessments within each outcome, students will demonstrate their understanding at the initial stages of the progression – students are gaining a foundational knowledge. As the concepts within each outcome are further explored, students will then have an opportunity to demonstrate further understanding through the progression.

As the course is designed to have students build on their knowledge and understanding of course concepts throughout the course, we will not be assigning a percentage mark on the mid-term report card. All students will see an “I” where the percentage mark would usually be. This is not a reason for concern, but rather an indication that determining a student grade at that point would not be meaningful.

Instead, each student will be provided with a detailed progress report that will indicate the level of understanding that they have currently demonstrated in each outcome. As the course continues, students will have the opportunity to demonstrate deeper understanding of the outcomes.

There will be multiple evaluations at the end of the course which will include the EQAO Grade 9 Assessment of Mathematics, a culminating activity and a final exam. These assessments will be used as a final opportunity for students to demonstrate their understanding in each outcome.

Your student’s final grade in the course will be determined by calculating the average of the 9 course outcomes, in combination with a teacher’s professional judgement.