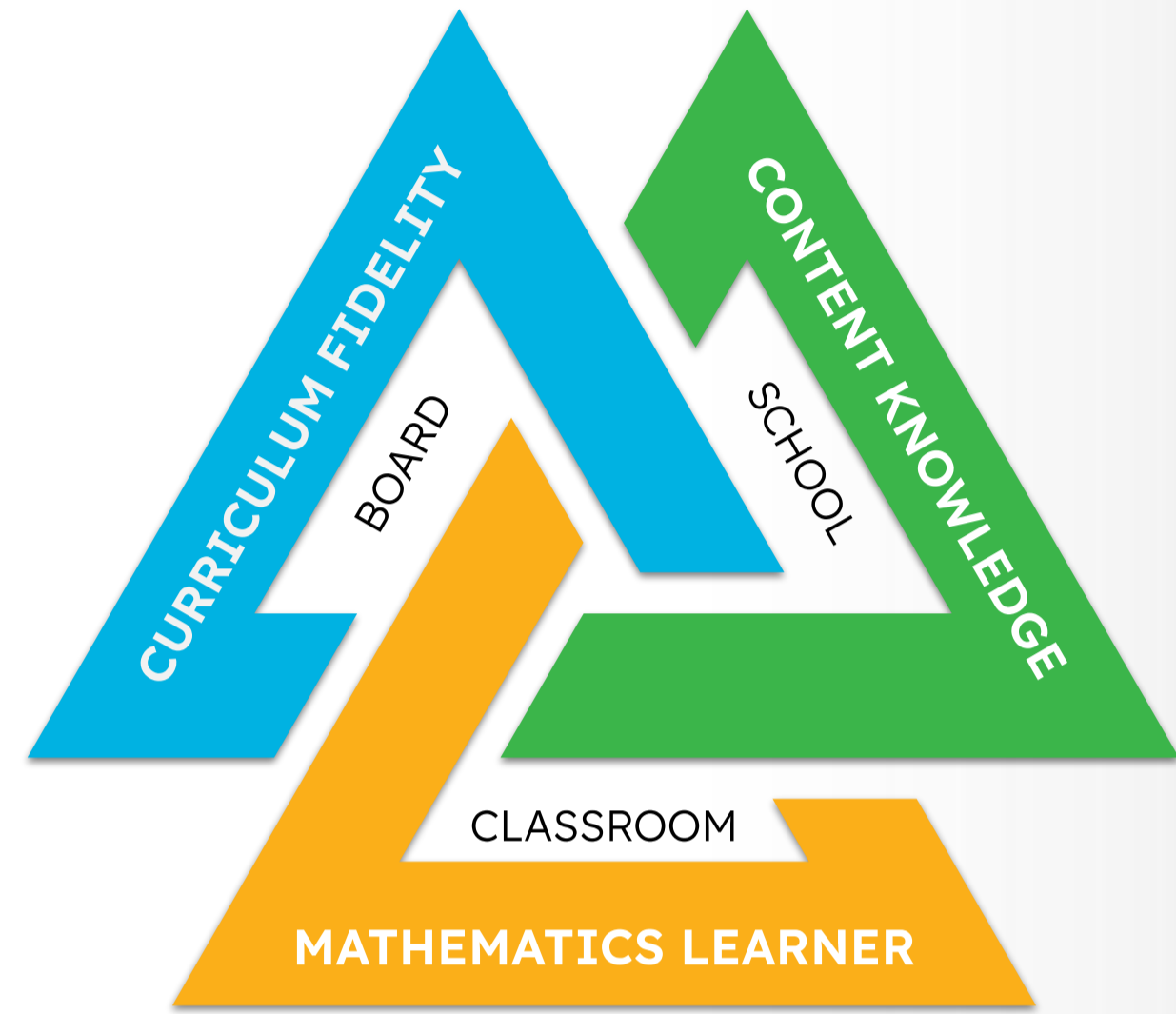




## Math Achievement Action Plan



As we prepare for the transition to high school or the next grade, we reflect on our shared journey in fostering a positive relationship with mathematics. Research shows that parental involvement in math education significantly boosts not only academic success but also a deeper understanding and appreciation of math. Our ongoing partnership is crucial.

Integrating math into everyday conversations and activities can enhance your child's understanding of how math shapes the world. Observing patterns in nature, and discussing budgets and finances can show the relevance of math beyond textbooks. These interactions reinforce classroom learning and help develop a mindset where math is a natural part of problem-solving and critical thinking in daily life.



Course descriptions and prerequisites for the Grades 9-12 Ontario Mathematics Curriculum are available (click [here](#) to access).

## Supports

Regular summer practice prevents the "summer slide" and ensures students start the new school year confident and prepared.



### Grade 9 (MTH1W) Prep

Understanding Number, Algebra, and Linear Relations is crucial for ongoing math success. Practice questions and recorded video solutions (click [here](#) to access) are available to reinforce Grade 8 math learning and prepare for the Grade 9 de-streamed course.



### TVO Study Hall

Looking for extra practice or a review of previous grade concepts? Want a head start on the next grade's foundational skills? TVO Learn Courses (click [here](#) to access) are FREE resources offering course lessons intended for independent study.



### Knowledgehook (Digital Tool Content Support)

Knowledgehook provides game-based learning for students to access during the summer. Students can solve problems and earn stars, badges, and avatar upgrades. Click [here](#) for student login.

## Activities

This summer, support your child's math growth by adding fun and engaging math activities to their daily routine. Explore online math games, solve puzzles and challenges, or discuss real-world math applications. These activities will help maintain and strengthen their math skills.



### Super Mario Quadratics

In this Desmos activity (click [here](#) to access), students create different quadratic equations to collect coins and stars across various Super Mario levels.



### Problem of the Week (CEMC)

The University of Waterloo provides weekly problems that offer students an opportunity to think critically and solve. Take turns with your child choosing a problem at or above grade level: [Grade 9-10 link](#) and [Grade 11-12 link](#).



### IXL Math Activities (organized by grade)

Website: <https://ca.ixl.com/math>

Students can work through mastering skills at their own pace through interactive questions.

