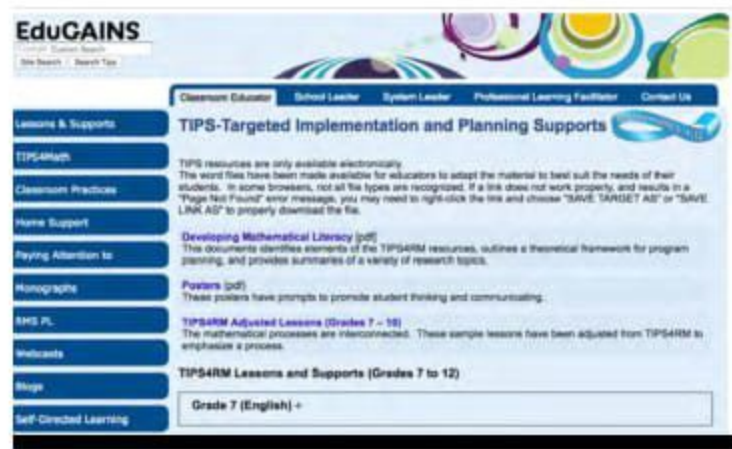


Crossing the Divide:

CRITICAL TRANSITIONS IN STUDENT MATHEMATICAL DEVELOPMENT (GRADE 8 TO 9)

Online Resources and Supports



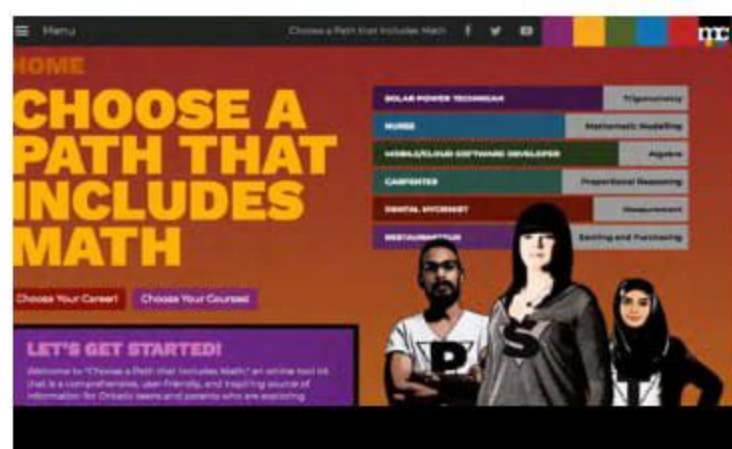
TIPS4RM (OME)

Targeted Implementation Planning Supports for Revised Math (2005) are three-part lesson plans and supports for Grade 7 to 12 that emphasize cross-strand curricular planning.



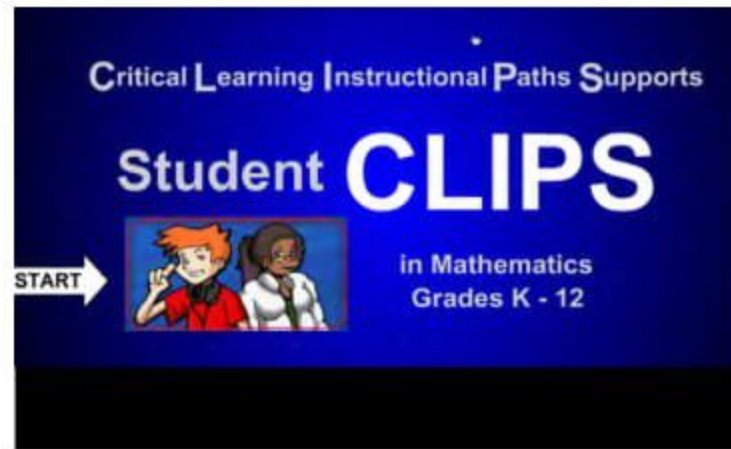
Gap Closing (OME)

Gap Closing resources are designed for students who need additional support in mathematics. For each topic in the resource, there is a diagnostic and a set of intervention materials. Diagnostics are designed to uncover the typical problems students have with a specific topic.



Choose a Path that Includes Math (Colgan)

The CAPTIM resource features videos of current students, high school graduates now working in a wide variety of fields, and mathematics teachers. It also provides an interactive course pathway tool with related career opportunities to help students and parents/guardians plan together.



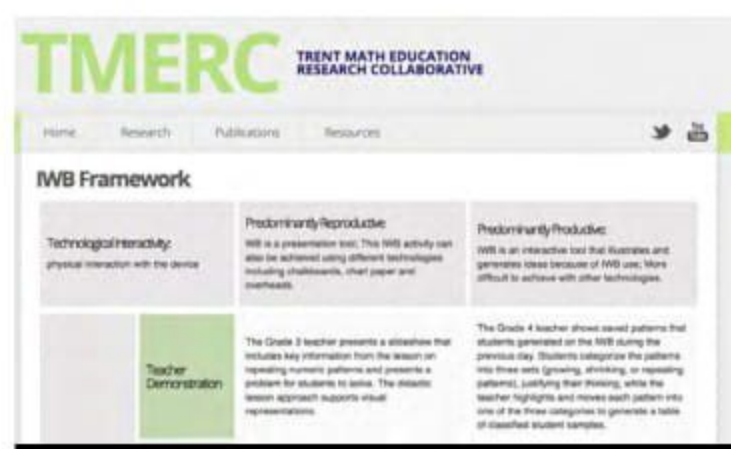
CLIPS (OME)

Critical Learning Instructional Paths are instructional trajectories focused on key mathematical concepts (Grades 7 to 12) that include interactive activities, games, quizzes, and learning tools.



Homework Help (OME/TVO)

Homework Help offers 24/7 resources and free tutoring from OCT qualified teachers available to Ontario students in Grades 7 to 10 of publicly funded schools.



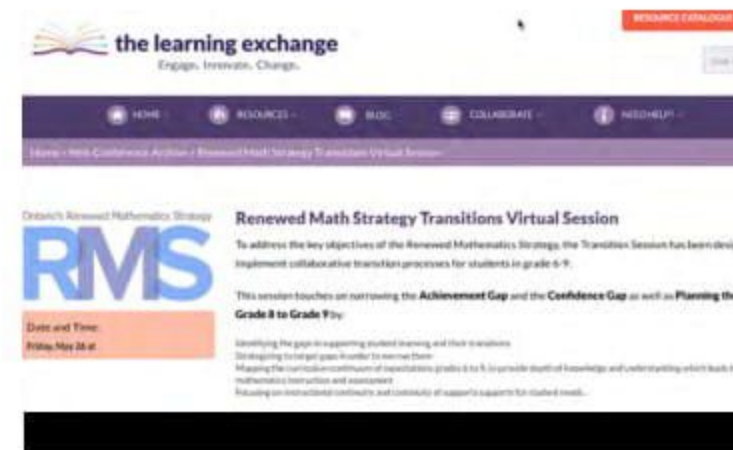
IWB Framework (Bruce)

Dr. Bruce has created a helpful framework for the use of Interactive Whiteboards (IWBs) for the teaching and learning of mathematics. This progression includes non-dynamic demonstration, dynamic demonstration, student practice, investigations, math talk, and consolidation samples.



mathIES (OME)

Mathematics Interactive Electronic Supports (mathIES) feature interactive math games, learning tools, and activities for K-12 students to build understanding of concepts and provide opportunities for practice.



Renewed Math Strategy: Transitions (The Learning Exchange)

This archived RMS Transition virtual session was designed to identify and implement collaborative transition processes for students in Grade 6-9. This session touched on narrowing the "Achievement and Confidence Gaps" as well as planning transitions from Grade 8 to Grade 9.



YouCubed (Boaler)

Dr. Boaler's (Stanford U) expressed goal with YouCubed is to "inspire, educate, and empower teachers of mathematics, transforming the latest mathematical research on math learning into accessible and practical forms." This website features videos, downloadable resources, courses, and links.



Creating Pathways to Success (OME)

Creating Pathways to Success describes a comprehensive education and career/life planning program for Kindergarten to Grade 12 designed to help students achieve their personal goals and become competent, successful, and contributing members of society.



RE4MUL8 (Jarvis)

The RE4MUL8 (reformulate) Project features videos of six Ontario Grade 7/8 teachers of mathematics implementing reform-based classroom strategies. Interviews with their math coordinators are also included, as are thematic montage videos with video discussion questions.



GeoGebra (Hohenwarter)

GeoGebra is an interactive geometry, algebra, statistics, and calculus application intended for the learning and teaching of mathematics and science from primary school to the university level. GeoGebra is freely available on multiple platforms for desktop, tablets, and mobile devices.