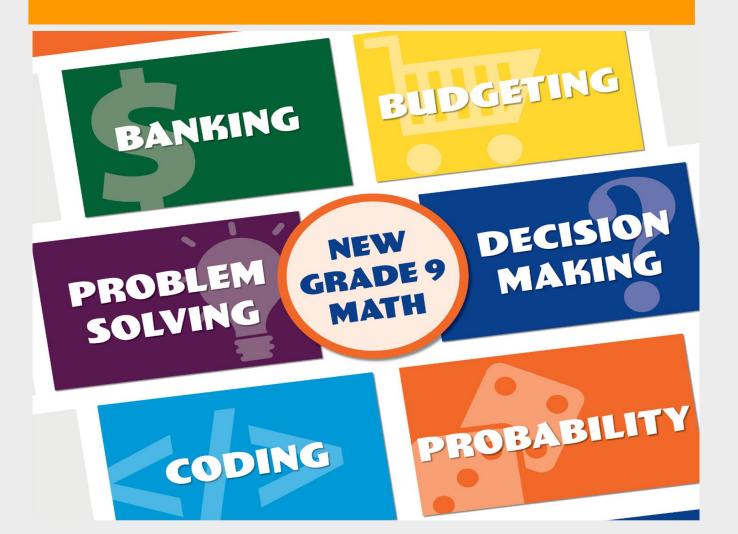
THE NEW GRADE 9 MATH COURSE IS MATH FOR REAL LIFE





Malvern Collegiate Institute MATHEMATICS, Gr.9

MTH1W (destreamed)

- □ Number Sense
 - Number system, powers + Operations
- □ Algebra
 - Manipulating polynomials & solving multi step (including fractional) equations
 - Coding
 - Application + characteristics of Relations
- Data
 - Collection of data + modeling
- Geometry & Measurement
- ☐ Financial Literacy
 - Financial decision + budgeting

REREQUISITE SKILLS REQUIRED

- ☐ Order of Operations involving Integers and Fractions
- ☐ Ratios, Solving Proportions
- ☐ Calculating percent (i.e.: tax, discounts)
- ☐ Solving simple equations
- Substituting into formulas and evaluating
- ☐ Plotting points on Cartesian plane

Homework

- Reinforce, supplement, support work / concepts taught in class
- Expect <u>30--60</u> min of homework daily





- Success comes with practice and thorough understanding of concepts.
- At the first sign of difficulty, students should seek extra help.
- Offered by classroom teacher
- Schedule of teacher's availability is outlined in course outline

ONLINE RESOURCES

- www.tvomathify.com
- www.khanacademy.org/math
- 3. www.purplemath.com
- 4. www.youtube.com





Help your child build math skills with FREE 1:1 Grade 6-11 math tutoring with Ontario Certified Teachers!

To support learning at home and in class, tutors are available online Mondays-Fridays from 9am to 9pm ET and Sundays from 3:30pm to 9pm ET. Boost math understanding and confidence with a personalized math coach that works with your child's schedule.

EQAO TESTING



- The Education Quality Accountability Office requires all grade 9 math students to be tested at the end of their grade 9 math course.
- This testing will occur at the end of each semester.
- Worth 10% of the summative.
- Practice booklets will be made available for students to prepare for the test however, students can get a head start by visiting the EQAO website, www.eqao.com

ENRICHMENT

University of Waterloo Contest -

www.cemcuwaterloo.ca

Pascal – written at the end of February

- 25 multiple choice questions + 60 min. in length
- Early questions require only concepts found in curriculum common to all provinces.
- The last few questions test ingenuity and insight. Rather than testing content, most of the contest problems test logic and problem solving
- Competition is individual & team basis
- Top 25% receive a Certificate of Distinction + school champion receives medal

Fryer — written in April

- four questions involving problem solving and a full written solution
- Emphasis on written communication and thinking skills
- 75 minutes in length
- Top 25% receive certificates of distinction from University

HOW CAN PARENTS HELP?

Encourage your teen to complete their homework
Support your teen by providing a suitable place of study
Offer advice on good study habits and time management
Encourage your teen to seek extra help and to persevere
Encourage their communication skills along with writing out clear solutions

Contact Information

Elizabeth Barsby
ACL Mathematics /STEM
elizabeth.barsby@tdsb.on.ca