

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 30--60 min of homework daily

EXTRA HELP



- 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

1. www.tvomathify.com
2. 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

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