



Course Outline

GRADE EIGHT MATHEMATICS



EXPECTATIONS:

Students are expected to:

- Arrive to class on time AND with all of the required materials
- Use class time effectively and stay focused on the task at hand
- Take responsibility for their own learning
- Attend all classes and complete homework on a daily basis; when absent, take responsibility to obtain and complete missed class work
- Complete and submit assignments and projects on time

YEAR OUTLINE:

Term One (September – November)

- Unit #01: Estimation and Problem Solving
- Unit #02: Primes and Powers
- Unit #03: Ratio, Rate, and Percent
- Unit #04: Data in Histograms and Scatter Plots

Term Two (November – March)

- Unit #05: Operations involving Fractions
- Unit #06: Integers and the Coordinate Plane
- Unit #07: Writing and Solving Algebraic Equations
- Unit #08: Triangles and the Pythagorean Theorem
- Unit #09: Investigating Polyhedra

Term Three (March – June)

- Unit #10: Angle Relationships
- Unit #11: Circles and Cylinders
- Unit #12: Graphing Linear Patterns
- Unit #13: Probability and Odds
- FINAL EXAM

ASSESSMENT:

The grade eight students will be observed and assessed in the following formats:

- Class work and participation rubrics
- Written tests and quizzes
- Projects, assignments, and group work

COURSE REQUIREMENTS:

- Three-ring binder (1 - 1½")
- Loose Leaf paper
- Graph paper
- Ruler and Protractor
- Two pencils and an eraser
- Coloured Pens (e.g. blue or red)

*****Students REQUIRE all of the above materials to be successful in this course*****

CALCULATORS

Calculators are an important tool for doing mathematics and should be used frequently. As the students will be learning how to use calculators effectively, calculators **WILL BE SUPPLIED** to all students. These calculators are to be used in the classroom only; therefore, if students require a calculator for home study they will have to provide their own.

FINAL EXAM

All grade eight students will be required to write a final exam in math. Although the mark for this exam will not play a role in their final report card mark, it will be kept on file as an important indicator for their success in high school math courses. The exam is to ensure that students are placed in the correct grade nine math course, to provide grade eight teachers with feedback on student learning, and to provide students an opportunity to experience writing an exam before entering high school. An extensive review of all topics for the exam will be completed in June.

PARENT E-MAIL LIST

This initiative was started six years ago to inform parents of upcoming due dates, tests, and other important school events (e.g. report cards). The information provided from the e-mails can be helpful to parents wanting to help their child with time management and organization of major projects and review for end of unit tests. Since information regarding quizzes and daily homework will **NOT** be e-mailed, the students must undertake responsibility for these tasks.

CLASS WEBSITE (www.mrfischer.net)

In order to help students organize their work, assignments, and homework, a class website has been designed which will be updated with daily homework, a calendar of upcoming due dates and events, and important documents which can be downloaded for student use. Copies of assigned homework and assignments will also be available for download. The website can also be used by parents to help their child with time management and assignment completion.

TEXTBOOK

The textbook used in this course is *Math Makes Sense 8* (by Pearson Education). These textbooks are being order this year and will be distributed as soon as they arrive at the school. All students are required to return the textbook, undamaged and free of markings, at the end of the year. A charge of \$10 will be applied to any textbook that appears damaged and a replacement cost of \$65 will be applied to any textbook lost or destroyed. Failure to pay damages on a textbook will result in the student not receiving their report card at the end of the year.

SUBMISSION OF ASSIGNMENTS

Students will be given plenty of time both in and out of class to complete the required assignments. Assignments that are **NOT** submitted on the specified due date will **NOT** be accepted **UNLESS** accompanied by a late assignment form to be filled out by the student and signed by the parent. Students who fail to submit an assignment will be given a NM (no mark) on that particular assignment. If a majority of a student's marks are NM in a particular strand, the student will receive a mark of 30% on their report card for that strand.

EXTRA HELP AND SUPPORT

As no set "help days" will be scheduled, students must arrange with the teacher a day to meet. General extra help sessions will be scheduled before major tests. Extra help is available during lunch and will also be offered after school by appointment only.

I have read the ENTIRE grade eight course outline and I am aware of the information contained within especially the information regarding lost and damaged textbooks, submission of assignments, and the final exam.

Student's Name (please print): _____

Student's Signature: _____

Guardian's Name (please print): _____

Guardian's Signature: _____