

Dunsmuir Middle School

Math 8

Course Outline

2013-2014

Teacher: Miss S. Harvey *Email:* *misssamharvey@gmail.com*

 *sharvey@sd62.bc.ca*

 *Phone: 250-478-5548*

Homework web: http//missharvey.weebly.com/

Math 8 is probably the first year you will have a subject teacher, teaching you just math. The pace will be faster than you are used to and it is important to ask questions and do your homework. You should know that for most people, math is usually learned when they are alone and quietly contemplating the concepts. It is normal for students to find it challenging when they are first introduced to the concepts in class; it is important that you spend some time with your homework and make sure you understand it. Math is one of the few subjects that builds on itself, year-to-year, and this can make it difficult to get caught up. I encourage you to spend some time this year solidifying the key concepts of math (fractions/decimals etc...), as well as your basic facts (addition/subtraction/multiplication/division), so as to make your future math years more enjoyable.

**Topics Covered:**

Perfect Squares, Pythagorean Theorem, Integers, Fractions, Measurement, Percent/Ratio/Rate, Linear Equations and Graphing, Statistics and Probability and Geometry

**Materials:**

Students are expected to bring the following materials to **every** class:

* **PENCILS (mechanical preferred)**, eraser, ruler, and colored pens (red, black, and blue ones are good for drawing graphs and diagrams)
* Textbook: Math Makes Sense 8
* Three ring binder with loose-leaf paper and graph paper.
* A **scientific calculator** is STRONGLY suggested. The sooner you get to know your calculator and how it works the easier things will be. A graphing calculator is not required. There will be a handful (<10) of very basic (non-scientific) calculators available in the class. You may **NOT** use your phone as a calculator in class. If I find you using your phone without my permission, I will collect it and you may come get it at the end of the day.

**Homework:**

Any assignments not completed in class are to be finished as homework and are due the next day. Homework is submitted as part of your effort mark. The daily quizzes will be taken directly from the homework questions and these quizzes count towards your grade. All classroom/homework assignments will be posted daily on my website http://missharvey.weebly.com

**Re-Tests:**

Unit re-tests will be permitted once per test. Re-test must be scheduled through me and will be done either before school, at lunch or after school, based on MY schedule. I will accept the higher mark (original mark or re-test) towards your grade.

**Absences:**

* **You are responsible for all notes, assignments, and tests.** If you miss a class, you can easily stay caught up by checking my web page for assignments. Please refer to the syllabus or the website for missing assignments. I will be using either engrade or blackboard to post your grades/ missing work – both are accessible online.
* **Daily Quizzes** will be done, in class, immediately upon your return. If you were absent you are responsible for writing the quiz for the day you were away, as well as the current days’ quiz. Please check the website/blackboard for what information you missed.
* **Extension/Exceptions** will be considered on an individual basis, and requests need to be made more than 2 hrs before the quiz/assignment/test/homework is due. Please contact me electronically (website or email or blackboard) or via phone (at the school).

**Evaluation:**

* Your Class Mark will be calculated as follows: Daily Quizzes 40%

Unit Tests 60%

**Final Exam:** The cumulative (full year) final exam will be given in June. If you score higher on the final exam than you did during the year, I will give you the higher score. If you score lower on the final exam than you did during the year, I will not count the final towards your grade. It can only help you.

* **Effort** (based on work habits/homework/behavior/attitude
* Good (G), Satisfactory (S), Needs Improvement (N)

**The Path to Success**

* **Be prepared and on time.** The successful student attends class regularly and brings all necessary materials **everyday**
* **Be organized.** Keep track of your classroom/homework assignments, and important dates.
* **Ask questions!** Get help right away. Small problems don’t go away, they get bigger!
* **Use class time wisely.** If you focus, you will be able to get most of your homework done during class, while help is available!
* **Do homework!** It is essential that you keep up to date as each new concept builds on the previous one, and a new lesson will be taught every day.
* **Take personal responsibility for your learning!** If you have a problem with the course, come and talk to me during lunch or after school.

**Classroom Expectations:**

* No pop or food! Only closed water bottles or closed coffee mugs are allowed.
* Music players are permitted only when doing assignments (at a volume that only you can hear). During teaching or class discussions, please have music players off and out of sight. If this becomes a problem, music players may be banned from the classroom.
* Cell phones can only be used for emergencies and with my permission. I will collect your phone if you are using it in class (cell phones are NOT to be used as calculators, only calculators are to be used as calculators), and you may come get it at the end of the day.
* Behave respectfully and courteously towards other students and your teacher at all times. It is important to build a positive learning environment where **everybody** feels comfortable.

## Course Schedule:

|  |  |  |
| --- | --- | --- |
| Chapter | Unit | Homework |
|  | **Perfect Squares & Pythagorean Theorem** |  |
| 1 | 1.1 | 10,11,13,16 |
| 1 | 1.2 | 6,7,12,13 |
| 1 | 1.3 | 3,4,5,6 |
| 1 | 1.4 | 4,5,8,11 |
| 1 | 1.5 | 3,4,5,6 |
| 1 | 1.6 | 4,6,7,8 |
| 1 | 1.7 | 4,5,10,11 |
| Review | Chapter 1 | Study for Test |
| Test | Chapter 1 | None |
|  | **Integers** |  |
| 2 | 2.1 | 8,10,11,20 |
| 2 | 2.2 | 4, 6-11 |
| 2 | 2.3 | 6, 8-13 |
| 2 | 2.4 | 5, 7-13 |
| 2 | 2.5 | 6-13 |
| Review | Chapter 2 | Study For Test |
| Test | Chapter 2  | None |
|  | **Operations with Fractions** |  |
| 3 | 3.3 | 4-10,12 |
| 3 | 3.4 | 4-7, 11-14 |
| 3 | 3.5 | 6-11 |
| 3 | 3.6 | 4-6, 8-11, 13, 14 |
| 3 | 3.7 | 4-6, 8, 10, 12, 13 |
| 3 | 3.8 | 3-10 |
| 3 | 3.9 | 4-10 |
| Review | Chapter 3 | Study For Test |
| Test | Chapter 3 | None |
|  | **Measuring Prisms & Cylinders** |  |
| 4 | 4.1 | 4-9 |
| 4 | 4.2 | 3-6 |
| 4 | 4.3 | 4,6,7,9 |
| 4 | 4.4 | 4,7,8,9 |
|  | **Measuring Prisms & Cylinders** |  |
| 4 | 4.5 | 4,6,7,11 |
| 4 | 4.6 | 4,5,6,12 |
| 4 | 4.7 | 4,8,9 |
| 4 | 4.8 | 4,5,12,13 |
| Review | Chapter 4 | Study for Test |
| Test | Chapter 4 | None |
|  | **Percent, Ratio & Rate** |  |
| 5 | 5.1 | 9,12,13,14 |
| 5 | 5.2 | 6,7,10,11 |
| 5 | 5.3 | 5,6,9,10 |
| 5 | 5.4 | 4-7 |
| 5 | 5.5 | 8,9,11,14 |
| 5 | 5.6 | 5,8,10,11 |
| 5 | 5.7 | 4,8,10,12 |
| 5 | 5.8 | 4,6,12,15 |
| 5 | 5.9 | 5,7,8,9 |
| 5 | 5.10 | 5,7,8,10 |
| Review | Chapter 5 | Study for Test |
| Test | Chapter 5 | None |
|  | Linear Equations and Graphing |  |
| 6 | 6.1 | 5,6,11,13 |
| 6 | 6.2 | 5,11 |
| 6 | 6.3 | 4,5,6,7 |
| 6 | 6.4 | 7,12 |
| 6 | 6.5 | 4,5 |
| 6 | 6.6 | 8,9,10,11 |
| 6 | 6.7 | 5a-d, 6a-d |
| Review | Chapter 6 | Study for Test |
| Test | Chapter 6 | None |
|  | Statistics and Probability |  |
| 7 | 7.1 | 3,4,5,6 |
| 7 | 7.2 | 3,4,5,6 |
| 7 | 7.3 | 3,4,5,6 |
| 7 | 7.4 | 4,5,6,7 |
|  | Statistics and Probability |  |
| Review | Chapter 7 | Study For Test |
| Test | Chapter 7 | None |
|  | Geometry |  |
|  | 8.1 |  |
| 8 | 8.2 | 4,9,10,12 |
| 8 | 8.3 | 3,7 |
| 8 | 8.4 | 4 |
| 8 | 8.5 | 5,6,7,8 |
| 8 | 8.6 | 6,7,9,11 |
| 8 | Chapter 8 | 3,4,5 |
| Review | Chapter 8 | Study for Test |
| 8 |  | None |

**Please sign below to indicate that you have read the course outline.**

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Student name (Please Print) Parent/Guardian Name (Please Print)

Signature\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Signature\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

***Parent/Guardian:*** Please provide a current email address so that I may contact you regarding your child’s attendance and progress. I send out reminders of upcoming tests as well.

 Parent/Guardian Email:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_