# Math 9 Dunsmuir Middle School – 2012/2013

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| Office | Science Prep Room | E-mail | sharvey@sd62.bc.ca |
| Office Hours | 8:00-4:30 pm |  |  |

## **Text:**

Math Links 8

**Websites:**

www.missharvey.weebly.com

[www.khanacademy.org](http://www.khanacademy.org)

http://highered.mcgraw-hill.com/sites/0070973385/student\_view0/

## **Description:**

## This Course will cover the following BC Government Prescribed Learning Outcomes: **Number:** powers rational numbers square root of positive rational numbers **Pattern and Relations:** graph of linear relations interpolation and extrapolation linear equations single variable linear inequalities operations on polynomials **Shape and Space:** cirlce properties surface area of composite 3-D objects simularity of polygons scale diagrams of 2-D shapes line and rotational symmetry **Statistics and Probability** data collection population and sample data project plan for collection, display and anlysis of data propability in society

## **Goals:**

To learn about the processes and applications of Math

To learn the Ministry of Education’s Prescribed Learning Outcomes

To have fun!

## **Outline**

* There are approximately 86 days of instruction, therefore there are ~8 days (2 per unit) of flexibility that will be used at my discretion

## **Evaluation:**

Homework: 30%

Drills: 10%

Khan Academy: 20%

Tests: 40%

## Course Schedule:

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| Day | Topic | Homework |
| 1 | Intro to the class | None |
|  | **Rational Numbers** |  |
| 2 | 2.1 Comparing and Ordering Rational Numbers | Pg 51-51: |
| 3 | 2.2 Problem Solving with Rational #’s in Decimal Form | Pg 59-62: |
| 4 | 2.3 Problem Solving with Rational #’s in Fraction Form | Pg 68-71: |
| 5 | 2.4 Determining Square Roots of Rational Numbers | Pg 78-81: |
| 6 | Chapter 2 review | Pg 82-83: |
| 7 | Khan Academy | Study for test |
| 8 | **Chapter 2 Test** | None |
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|  | **Powers and Exponents** |  |
| 9 | 3.1 Using Exponents to Describe Numbers | Pg 97-98 |
| 10 | 3.2 Exponent Laws | Pg 106-107 |
| 11 | 3.3 Order of Operations | Pg 111-113 |
| 12 | 3.4 Using Exponents to Solve Problems | Pg 118-119 |
| 13 | Chapter 3 Review | Pg 120-121 |
| 14 | Khan Academy | Study for test |
| 15 | **Chapter 3 Test** | None |
|  | **Fraction Operations** |  |
| 17 | 6.1 Multiplying fractions | Pg 202-203: 4-9, 11,12,15,16 b.17 |
| 18 | 6.2 Dividing a fraction | Pg 208-209: 4-10,12 b.14 |
| 19 | 6.3 Multiplying proper fractions | Pg 214-215: 3-11,13-15 b. 16 |
| 20 | 6.4 multiplying improper fractions | Pg 220-221: 4-13, 15,16,20 b.21 |
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## Examinations: