

# Math 8

Welcome to Math 8. I would like to take this opportunity to personally welcome you to the Math Department here at Panorama Ridge Secondary. My goal is that you will look back on your experience here as a very positive one. The following course outline explains how the class will be structured, my expectations of you, what you can expect from me, what will be covered in this course and the marking scheme that you will be graded on this term. Please read this over with your responsible adult and if you have any questions please ask!! My email is at the top of the page.

## Course Rationale:

Math is not a series of steps, but an understanding of how concepts come to be. According to the curriculum competencies, students are required to communicate and represent, understand and solve, reason and analyze, and connect and reflect with the mathematical topics listed below.

## Math 8 Topics:

**Big Idea:** Numbers represent, describes and compares the quantities of ratios, rates and percents.

Chapter 7: Ratios, Rates and Proportional Reasoning  
Chapter 8: Understanding percent

**Big Idea:** Computational fluency and flexibility extend to operations with fractions

Chapter 4: Adding and Subtracting Fractions  
Chapter 5: Multiplying and Dividing Fractions

**Big Idea:** Discrete linear relationships can be represented in many connected ways and used to identify and make generalizations

Chapter 6: Linear Relationships and Equations

**Big Idea:** The relationship between surface area and volume of 3D objects, can be used to describe, measure, and compare spatial relationships.

Chapter 1: Pythagorean Relationship  
Chapter 2: Surface Area  
Chapter 3: Volume

**Big Idea:** Analyzing data by determining averages is one way to make sense of large data sets and enables us to compare and interpret.

Chapter 9: Statistics and Probability

## Course Evaluation:

Assessment (Tests) will occur approximately once a week. Students will have an opportunity to demonstrate their understanding of individual concepts and they will record their progress in the front of their notebooks on a summary sheet. Please feel free to look at their progress any time during the semester.

Students will be graded according to the proficiency scale. To successfully pass the course your achievement must meet a Developing level in most of the curricular competencies.

PROFICIENCY LEVEL			
Emerging	Developing	Proficient	Extending
<ul style="list-style-type: none"><li>The student is beginning to demonstrate basic knowledge in relation to the learning standards</li><li>Works with ongoing support</li></ul>	<ul style="list-style-type: none"><li>The student demonstrates some knowledge in relation to the learning standards</li><li>Works with some support</li></ul>	<ul style="list-style-type: none"><li>The student demonstrates good knowledge in relation to the learning standards</li><li>Works independently</li></ul>	<ul style="list-style-type: none"><li>The student demonstrates knowledge beyond the learning standards</li><li>Works independently and can support the learning of others</li></ul>
<ul style="list-style-type: none"><li>"I am just getting started."</li><li>"I learn best with help."</li></ul>	<ul style="list-style-type: none"><li>"I get some of it."</li><li>"I am beginning to do more and more on my own."</li></ul>	<ul style="list-style-type: none"><li>"I get it."</li><li>"I can do it on my own."</li></ul>	<ul style="list-style-type: none"><li>"I get it and go beyond what is expected of me."</li><li>"I can teach it to a friend."</li></ul>

Your final grade will be determined by the accumulation of learning that you demonstrate throughout the course. Including activities, assignments, quizzes and tests that will inform you of your proficiency level.

### Supplies:

1. Three ring binder (2 " at least)
2. Plenty of lined paper (ringed notebook)
3. Pencil, eraser and ruler
4. Calculator (scientific) \*\*\* keep your instruction book \*\*\*
5. Textbook – Math links 8 (\$90.00)

## Classroom Courtesies

### Mutual Respect

- **Everyone in class has a right to learn;** your behavior **must not** interfere with that right.
- **Be polite** at **ALL** times. **Rudeness will not be tolerated**
- **Respect school property and that of others.** Keep the desks clean and throw trash in the appropriate place.
- **Listen and learn:** Do not talk while the teacher or anyone else is speaking in class. This includes P.A. announcements. The first five minutes of every class will be crucial.
- Class is over when I have finished or have asked you to clean up, **not** when the bell goes.
- **Keep your table area clean** so it will remain that way when you return next class.
- Technology is to be kept in your bag.
- No eating in class, but water bottles (closed containers) are encouraged
- Remain in your seat until class is dismissed please.

### Personal Responsibility

- **Attend all classes.** You are responsible for all notes and work, *even if you are absent* (call a friend/ Peer tutor). Make certain your responsible adult phones in if you are away.
- **Do not come to class if you are ill.**
- **Be on time to class.** If you are late wait outside, organize your materials, and then enter the classroom without disturbing your classmates. Please sign in on the late sheet.
- **Ask questions and participate in class.** Respect yourself enough to learn as much as you can. The only dumb question is the one that goes unanswered.
- **Do your own work carefully and on time-** it saves the hassle of trying to learn it all before the test. Do not try to take the easy way out when you know you are asked to show your work. **No Work = No Marks.** If you find you have no homework (*yeah right!!*), do **home study**; create some examples for yourself or read over old concepts. Keep up to date.
- If you miss an assignment, you will have an opportunity to make up for it. Be responsible and ask for it upon your return.
- Do **not** leave the classroom without permission. Visit the washroom, water fountain and locker **before** class begins. If you leave the room, please sign out on the sign in-out sheet.
- **Be Prepared to Learn** -bring all equipment needed with you to class (includes homework and corrections for all assignments)
- Cheating, Copying, and Plagiarism  
**Don't do this!!** Have fun, collaborate, and share ideas instead. Cheating will result in a mark of zero along with a referral to administration and even worse, to your parents.
- I am here for extra help. Please ask! Come to my room

### Keys to Success

- Pay attention during class and work hard. My time, your time!!
- Keep organized
- Do assigned work on-time and daily if possible
- ASK for help if you don't understand
- Review the sections of the textbook before and after class.
- Use various study methods .... More to come .

