

## 8th GRADE MATH COURSE SYLLABUS

Mrs. Mary Herbst

St. Dominic Catholic School

2018-2019

### Topics Covered

- Rational Numbers
- Tables, Graphs, and Functions
- Exponents and Roots
- Ratios, Rates, Proportions, Similarity, and Scale
- Geometric Relationships in Two-Dimensional
- Geometry and Patterns in Geometry
- Measurement and Geometry
- Multi-Step Equations
- Graphing
- Data Prediction and Linear Functions

### Supplies Needed

- Textbook: Mathematics, Grade 8 - online at [my.hrw.com](http://my.hrw.com) - check your user name and password - there are plenty of resources for you there!!!
- Blue 3-subject notebook - Homework/Classwork should be done in the notebook.
- Blue 3-pronged folders (4 - one for each quarter) - Notes are kept in your folder, **in the prongs!**
- Colored pencils/markers/highlighters/scissors.
- Pencils: Students are expected to do math work **in pencil only**. Notes may be with other writing utensils.
- Correcting Pens: Red or Blue. You should always have a pen!
- Calculator: TI graphing calculator (83 or 84+) Students *need* their own calculator - please let me know if this is not going to be an option for them so that I can be aware.

### Daily Classroom Procedures:

- At the start of class:
  - Enter quietly, girls first.
  - Take a pencil and any other needed supplies.
  - Sit in your assigned seat with all daily supplies out, including homework - **be prepared!**
  - **Begin** warmup exercise.
- During class:
  - Raise your hand to ask/answer/contribute.
  - Be productive - **show all work** (do not erase your thinking).
  - Work only on the assignment given - do not work on assignments from other classes or homework, unless otherwise instructed.
  - Remain in your seat unless told otherwise - if you need a tissue, grab a few and head back to your seat - wait to throw away trash (either during a transition or the end of the period).
  - Going to the restroom during class will result in you missing valuable class time. If you have an emergency, please ask to go, but do not abuse the privilege.
  - Wait to pack up and be dismissed.

### Expectations:

In order to establish a safe learning environment, students are to obey the rules set forth in the handbook, and are expected to be polite, respectful, diligent, punctual and organized. Positive and negative aspects of each student's performance will be noted and reports will be sent home as needed to parents.

## **Absences**

Students who are absent for one day are expected to **get notes from a classmate and the assignment from a friend/Rediker or check with Mrs. Herbst**. If students are missing for more than one day please see Mrs. Herbst upon return. Any tests or quizzes that are missed should be made up within one week of the absence before or after school.

## **Extra Help**

**If any student feels he/she needs extra help he/she is encouraged to see me and set up a time to meet before or after school. If he/she is to stay after school, the student must have a parent or guardian confirm the time. Mrs. Herbst is available every morning except Wednesdays - just stop by!**

## **Grading Components**

Students will be allowed to demonstrate how well they are making sense of the mathematics in many ways. Students are given opportunities for bonus points during each quarter, but not on demand. Below is a grading summary.

### *Participation - 5%*

Participation is KEY to learning math. It is not a passive subject. Students will be asked to reflect on their participation and that response, as well as Mrs. Herbst's observations will go into a weekly participation grade.

### *Homework and Classwork - 25%*

Homework assignments offer students the opportunity to develop skills and think about important mathematical ideas. Students will have the opportunity to revise their answers as we discuss problems. Homework **should** be completed in the 3-subject blue notebook. Homework will be marked with a stamp, if completed, to signify 100% - all problems are completed AND work was shown. If it is incomplete (all of the problems are not complete), "inc" or another signifier will be written/stamped and up to 90% will be awarded to the student. If the student forgot his or her homework, there are two possible outcomes - if the student left the homework in another class, he or she may retrieve it and turn it in before the next class and receive up to 100% - otherwise it is marked as 0%. Homework that is done in class, without permission, will be taken and given a 0.

Students may complete missing homework and turn it in the next day for 60%.

### *Quizzes and Labs - 30%*

During each chapter, lesson or multi-lesson quizzes may be given. **They will not always be announced**. Multi-lesson quizzes may be announced as counting for 2 quiz grades. Hands-on and technology labs will be counted in this category.

### *Tests - 40%*

At the end of each chapter an individual test is given. This serves as an opportunity for students to show what they, as individuals, have learned from the whole chapter. Points will be assigned based on the amount of work asked for to solve each problem. Not all problems are awarded the same number of points. A Final Exam is also included in the 2nd and 4th quarters. At the end of each semester a final exam is given. It contains material from the entire semester. The final exam counts as 2 test grades.

Students are given the opportunity to do test corrections if they have a failing grade on the test. Students have a limited amount of time to do the test corrections and must show all work and write out a justification in order to earn credit.