



# MRMS Math Department Newsletter

## 2nd & 3rd Quarter Edition



### Update on Curriculum

**7<sup>th</sup> Grade**—During the 2<sup>nd</sup> quarter, we covered all algebra concepts; including solving algebraic equations for a variable, graphing linear functions and solving/graphing inequalities.

After winter break, we reviewed concepts they did not fully grasp from the first short cycle assessment. Then we introduced geometry to the students by working with proportions, scale factors and Pythagorean Theorem. We will move into classifying polygons and transformations.

**8<sup>th</sup> Grade**—During the 2<sup>nd</sup> quarter, we had a focus on part of the algebra indicators for the 8<sup>th</sup> grade. Overall students were expected to relate various representations of algebraic relationships by looking at graphs, tables and equations. Students worked on comparing linear and nonlinear relationships; also, finding the slope and y-intercept of the linear relationships. Additionally, students reviewed subsets of the real number systems as a result of their struggles with this during first quarter.

After winter break, students started a second algebra unit that will focus on solving equations and inequalities.

### OATs & SCAs

It is important to remember the OAAs, formally the OATs, are going to be given at the end of April. The math department continues to put a focus on these assessments when teaching.

The second short cycle was given before winter break. Some areas of weakness that were determined are:

**7<sup>th</sup> grade:** simplifying expressions, using formulas for problem solving and describing relationships between variables.

**8<sup>th</sup> grade:** relating tables to graphs to equations with linear relationships, using the slope & y-intercept of the graph to find the equation, and computing the midpoint, distance or slope from a set of order pairs.

Our focus is to improve these standards by reviewing them in our classroom and incorporating the standards into Questions of the Week. We will continue to assess our students over these standards to determine if improvements have been made.

### OCTM

Two of our teachers attended the Ohio Conference for Teachers of Mathematics to help enhance the math instruction in our building. The conference broke out into multiple sessions to integrate different techniques into our mathematics classroom.

### Internet Resources

Please still continue to utilize the following links for extra help in the math classroom.

\***ProgressBook:** <https://pb1.mdeca.org/parentaccess/General/LoginPage.aspx?DistrictID=76>

\***Holt Online Book:** [www.hrw.com](http://www.hrw.com)

\*If a password is needed, please contact your student's math teacher.

### Questions of the Week

Another reminder, Questions of the Week are given every week and due on Fridays. They are a weekly assignment that reinforces concepts that are taught throughout the year.

### Student Teachers

Mrs. Penzien's classroom has obtained a graduate student teacher from the University of Dayton. Miss Tiedge will be teaching Mrs. Penzien's classroom through the end of April.

Ms. Hubby's classroom has received the opportunity for an intervention specialist student teacher for two class periods. Miss Phillips, a graduate student from the University of Dayton, works with students on an individual basis or a small group over the math curriculum.