



The News that Counts

Carrigan Intermediate School September 2017

Welcome Back Issue

The Math Team

Mrs. Bonaldo and Ms. Solano

Carrigan Intermediate School consists of 20 - 5th grade classes and 20 - 6th grade classes. There are 10 Grade 5 Math Teachers and 10 Grade 6 Math teachers. We have two Math Facilitators, Lynn Bonaldo and Mona Solano, along with 3 math paraprofessionals. The main job of the math facilitators is to assist the teachers in creating and implementing lessons that will incorporate the 8 mathematical practices. In addition, we will support the teachers with lessons, strategies, and activities that will, in turn, help the students become better learners and strengthen their math skills. The paraprofessionals will assist the teachers during their math period, as well as work with small groups of students.

8 Math Practices

- Standard 1: Make sense of problems and persevere in solving them
- Standard 2: Reason abstractly and quantitatively
- Standard 3: Construct viable arguments and critique the reasoning of others
- Standard 4: Model with mathematics
- Standard 5: Use appropriate tools strategically
- Standard 6: Attend to precision
- Standard 7: Look for and make use of structure
- Standard 8: Look for and express regularity in repeated reasoning



Coming soon: Family STEM Night. Information to follow

Units of study for the school year 2017-2018

6th Grade:

Unit 1-Operating with Positive Rational Numbers
Unit 2-Ratios & Rates
Unit 3-Expressions & Equations
Unit 4-Understanding Positive & Negative Numbers
Unit 5-Algebraic Reasoning
Unit 6-Geometry
Unit 7-Statistics & Distribution

5th Grade:

Unit 1-Understanding the Place Value System
Unit 2-Computing with Whole Numbers & Decimals
Unit 3-Algebraic Connections
Unit 4-Addition and Subtraction of Fractions
Unit 5-Multiplying and Dividing Fractions
Unit 6-Geometry
Unit 7-Measurement and Data
Unit 8-Statistics

Why Is Math Vocabulary Important?

Knowledge of math vocabulary is an essential component of learning mathematics. In order to communicate math thinking clearly and coherently students need to learn and use appropriate math vocabulary. If we want students to use the language of mathematics precisely, it is important that that we model appropriate language in context, both verbally and visually. Resources such as math word walls and math vocabulary books can provide scaffolds to bridge the gap between informal math language and the formal terminology of mathematics as students engage in mathematical explorations and experiences. As a parent, please ask your child what new vocabulary words they are learning in math and try and use them in your everyday life.

mixed number, equivalent, expression, standard form, value, digit, place value

These are just some of the math words your child has encountered in their first unit of study. Help your children learn the vocabulary of mathematics. They will never get a real feeling for math nor learn more advanced concepts without an understanding of its vocabulary. Check that your children can define new terms. If not, have them use models and simple problems to show you they understand how the term is used. Here is a strategy that you can use at home with your child to help build their math vocabulary. Visit <http://www.teachhub.com/teaching-strategies-5-ideas-instructing-vocabulary> for more.

Concept Cube

A concept cube is a great strategy to employ word parts. Students receive a six-square cube (which will eventually be folded into a three dimensional cube). On each of the squares students are instructed to write down one of the following.

- Vocabulary word
- Antonym
- Synonym
- Category it belongs to
- Essential characteristics
- Example

Students then cut, fold and tape the cube to make a square. Then, with a partner, they roll their cube and must tell the relationship of the word that lands on top to the original vocabulary word.

Implementing a variety of approaches will help prevent boredom. Experiment with different strategies and techniques to determine which ones work the best for your students.

Strategy of the Month

Remember when you had "Show and Tell" in kindergarten? Now you have a great deal to share in mathematics. Talk to the folks at home about what you are learning. Show them your papers and tell them about what is happening in your math class. Let them see that you are doing problems in class similar to these. Each week choose an assignment that you are proud of and display it at your house.

On one night, 30 fifth graders gathered to study mathematics and science. Of these students, 11 studied math, 15 studied science, and 3 studied math and science. How many students of the group studied neither math nor science?

Answer _____

Parent Signature _____

Student Name and room number _____