# Ms. Matys's Grade 5/6 Math Program

In the ever changing world, math has taken a leap into technology, as well as using math to solve real life problems. We will be learning how to solve a variety of numeracy problems, through a variety of classroom activities. Our classroom learning engages all types of learners using manipulatives, group problem solving, differentiated instruction, whole class sharing of solutions, math journals, games and technology. We will focus on KNOWLEDGE, COMMUNICATION, THINKING and APPLICATION. Using the Ministry of Education, Ontario Curriculum at

http://www.edu.gov.on.ca/eng/curriculum/elementary/math18curr.pdf you can browse the expectations that we will be covering over the next school vear.

#### List of Activities and Resources for the Classroom & at Home

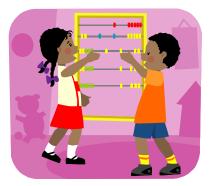
- Technology: Students will have access to online resources such as D2L, a Ministry of Ontario based tool that has effective digital videos and links to teach students mathematical concepts and operations. This tool is accessible both at school and at home.
- Our class website will have a link to several other helpful math websites for support.
- http://greatkidsjm.weebly.com/

3. **Group Problem Solving** : Students will be given a variety of word problems to solve real life scenarios in each strand of math we will be covering.

Each pair or small group will use a <u>4</u> <u>STEP PROBLEM SOLVING</u> model that asks them to a) <u>Highlight</u> important facts, and rewrite the question in your own words b) <u>Make a plan</u> to solve the problem (using words, charts, patterns etc). c) <u>Look back</u>, does your solution make sense? d) <u>Communicate</u>, explain how you solved the problem. A rubric will be used to assess new learning. 4. **Math Journals**: Students will record their new learning and math facts of the day. Examples of problems will be recorded as well.

5. **Guided Math**: In small groups students will be with the teacher reviewing and discussing the new learning goals and BIG IDEAS related to the curriculum expectations.

6. **Manipulatives and Games:** Solving some math problems require resources to help solve them. Tools and games such as linking cubes, fraction strips and number lines help students to solve some abstract concepts using manipulatives and playing games.



## At Home Help



#### • Instill a Love of Math:

- Every day we are exposed to shapes, numbers in the weather, scores in soccer, hockey games, costs of items and so many other facts we aren't really aware of. These are all math, real world scenarios. At home you can point these things out, and talk about them. When we make it an everyday conversation it becomes easier to relate to concepts at school.
- When you are driving down the street play a game with street signs or license plates! Who can find the number 80 first? Or who can tell me what the numbers on the license plate in front of us adds up to?
- How about reading a recipe, and baking or cooking together! Yummy! Make it fun and students can apply their measurement knowledge to produce a delicious dessert or meal.

#### EQAO ASSESSMENT AND PRACTICE THROUGHOUT THE YEAR!

 In grade 3 & 6 students at the end of the year are assessed on their knowledge in math and language (reading and writing).
EQAO testing follows certain formats, and therefore throughout the year students will be practicing these formats to ensure success at the end of the year assessment. Please visit the EQAO website at www.eqao.ca

addition

w.tagxedo.com

parent help

Chatboard

• BY MAKING MATH FUN BOTH AT HOME AND AT SCHOOL, STUDENTS WILL GAIN A SENSE OF CONFIDENCE AND CURIOUSITY THAT WILL MOTIVATE THEM FOR LIFETIME LEARNING AND SUCCESS!

> thorough Coolm

speaking

really



### Assessment

During our numeracy block at school, it will consist of 60 minutes per day. Students will be assessed on what they already know (DIAGNOSTIC) assessment, as well as during our math unit practice daily in class (FORMATIVE), such as dialogue, observation, and practice. The teacher will provide descriptive feedback to keep students on track. At the end of the unit (SUMMATIVE) tests/quizzes will be given. Students will also self-assess their work, using SUCCESS CRITERIA that provides a checklist of areas to



Bi-weekly you will be receiving a FRIDAY FILE that will contain your child's work including math activities, tests with accompanying rubrics. Please review the documents inside the folder and discuss areas for improvement. Ask your child to explain how to do some of the math operations, and practice a few new ones with them.

#### EXTRA PRACTICE

There are numerous resources online that can support your child's learning in both numeracy and literacy. Our classroom website has a link with several helpful websites to play games and re-enforce concepts. Please contact me if you need any additional resources, through your son/daughters agenda.