



Course Description

Pre-Algebra focuses primarily on the following: working with radicals and integer exponents, understanding the connections between proportional relationships, lines and linear equations, analyzing and solving linear equations and systems of linear equations, defining, evaluating and comparing functions, using functions to model relationships between quantities, understanding congruence and similarity, and understanding and applying the Pythagorean Theorem.

Units of study will include the following:

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|-------------------------------------|-------------------------|
| 1. Expressions and Equations | 5. Functions |
| 2. Transformational Geometry | 6. Statistics and Data |
| 3. Exponents and Irrational Numbers | 7. Systems of Equations |
| 4. Measurement Geometry | |

Textbook and Resources

Florida GO MATH Pre-Algebra (Houghton Mifflin Harcourt 2015) <http://my.hrw.com>

Khan Academy: <https://www.khanacademy.org/math/cc-eighth-grade-math>

IXL: <https://www.ixl.com/>

Required Materials/Supplies

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| School-issued iPad (charged) | Dry erase markers |
| 3-prong folder with pockets | Pen, pencil, colored pencils and highlighters |
| Loose leaf notebook paper | 12-in ruler with cm |
| Basic four function calculator with a square root key $\sqrt{\quad}$ and a positive/negative key +/- | |
| Scientific and graphing calculators are not permitted. | |

Organization

1. Online teacher notes and assignments through OneNote, digital textbook, IXL and other Microsoft Office 365 tools (invited by the teacher for OneNote – please do not create your own notebook)
2. Student notes, supporting work for assignments, some formative assessments & all summative assessments/rubrics are kept in the math folder and arranged by date and unit/topic

Behavior and Classroom Expectations

The MTC middle grades conduct expectations and point sheet will be utilized to cultivate good behavioral and learning habits, as detailed in the family handbook. Demerits will be recorded on the point sheet in front of the planner, as well as on RenWeb.

Additional Assistance

I will hold a weekly ZOOM session from 3:45 to 4:15pm by appointment. These sessions will be to answer specific questions, not to reteach an entire unit. Students should be prepared with their questions in advance.

Communication

- Email: jthomas@mtctampa.org Emails are returned within 24-48 hours during school days.
- Microsoft Teams: Homework assignments will be posted/updated daily. Tests and quizzes will be posted one week in advance.
- RenWeb: Grades will be updated weekly.