MS Math

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⭐ Prerequisites:

- This course is recommended for our 7th-grade students or 6th-grade students wishing to enter an advanced math track.
- Those entering as 6th-grade students will take an at-home test during registration to assess foundational concepts.

📖 Course Description:

Students should have mastered their addition and multiplication facts and have a solid foundation in the four basic operations, not just with large-digit numbers, but also with fractions, decimals, and mixed numbers. This course will build on an existing foundation in these areas. Middle School Math introduces the algebraic concepts of variables, integers, expressions, solving simple and two-step equations, and the geometric concepts of similar figures, proportions, graphing, area, volume, and the Pythagorean Theorem. The course also expands on the student's knowledge of statistics, fractions, decimals, and percent.

👍 Commitment:

- This course meets on Tuesdays AND Thursdays.
- Reading the lesson and completing problems from the book. This should average 2–3 hours of homework per week, an average of 20-25 problems per day for three days.
- Taking a parent-proctored chapter test once every 3-4 weeks.
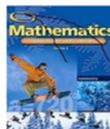
💡 A typical class will look like...

The bulk of the class is spent learning new concepts, first with a brief teaching time and then with students working on problems in their skills workbook. Additionally, this age group may need help with organization and understanding how to complete items. We will work through this process over the first few months. As the year begins, students will be provided with interactive notes. These provide students with examples of how to complete problems, along with the opportunity for them to complete some on their own. Additionally, these notes help them learn how to take notes for themselves. As we approach mid-year, the students will transition from interactive notes to taking notes on their own.

✅ Books and Supplies*

• <u>Mathematics Applications and Concepts Course 2, Glencoe, 2006 Edition</u> ○ ISBN - 0-07-865263-4	• 3-ring binder • basic calculator that works to find the square and square root (used in 2nd semester) • access to a printer for at-home tests

*Mathematics: Applications and Concepts Course 2, Practice Skills Workbook (provided via lab fee)