Welcome to
Stone Hill Middle School Math!

“Student Achievement Is Our Top Priority!”
Potential Math Progressions
Math Placement

- Placement is based on several factors:
  - Evaluation of math grades, SOL, Algebra Readiness Test and other pertinent data.
  - Teacher and Counselor recommendation.
  - Evaluation of math attitude and work habits.

- The goal at SHMS for our 6th grade students is to build a solid foundation where students are confident in their own mathematical abilities.

- Successful math students should be placed in a class where the content is challenging but not overwhelming.
Sequence of Middle School Math

Math 5
- Math 6
  - Accelerated Math 6/7
- Math 7
  - Algebra I
- Math 8
  - Geometry
Sequence of High School Math

- Algebra II/Trig
  - Mathematical Analysis
  - AP Calculus BC
  - AP Calculus AB
  - Advanced Functions and Modeling
  - Advanced Algebra/Pre calculus

- Geometry

- Algebra II
  - Advanced Algebra/Pre calculus
  - Mathematical Analysis
  - AP Calculus AB
  - AP Calculus AB

- Functions, Algebra, and Data Analysis
  - Electives: Computer Mathematics; Discrete/Probability & Statistics; AP Statistics
  - Advanced Algebra/Pre calculus
  - Electives: Computer Mathematics; AP Computer Science A; Discrete/Probability & Statistics; AP Statistics
  - Advanced Functions and Modeling
    - Electives: Computer Mathematics; Discrete/Probability & Statistics; AP Statistics
    - Advanced Algebra/Pre calculus

- Algebra I
  - Functions, Algebra, and Data Analysis
  - Geometry
  - Algebra II
## What is the difference between Math 6 and Accelerated Math 6/7?

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<thead>
<tr>
<th>Math 6</th>
<th>Accelerated Math 6/7</th>
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<tbody>
<tr>
<td>20 standards</td>
<td>36 standards</td>
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<tr>
<td>Students take Math 6 SOL</td>
<td>Much faster pace than Math 6</td>
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<td>Students progress into Math 7 (Math 7 is a pre-Algebra type course)</td>
<td>Requires more independent work on the part of the student</td>
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<td>Students on this track are prepared for Algebra in 8&lt;sup&gt;th&lt;/sup&gt; grade</td>
<td>Course covers both Math 6 and Math 7 curriculum</td>
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<td>Math help during resource is available for struggling students</td>
<td>Math 7 is a pre-Algebra type course</td>
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<td>Students take Math 7 SOL</td>
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<td>Students progress into their first high school level course as 7&lt;sup&gt;th&lt;/sup&gt; graders</td>
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<td>- Algebra- 7&lt;sup&gt;th&lt;/sup&gt; grade</td>
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<td>- Geometry- 8&lt;sup&gt;th&lt;/sup&gt; grade</td>
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What is my student’s math personality?

- Does he or she genuinely enjoy math?
- Is your child generally self-motivated about math? - i.e. independent worker, enjoys being challenged
- Is your child able to explain how they got an answer relating to math?
  - Explain their thinking in multiple ways
  - Be able to answer WHY questions
- What kind of productive disposition does your child have?
Math Opportunities For Students

- MATHCOUNTS Club & Competition
- AMC 8 Math Competition
- VML Math Competition
- Math Olympiad
- The Math Tournament – Countywide Math Competition
- Extra Help during Resource