

**Accelerated  
Mathematics  
Parent  
Information Night**

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# Accelerated Mathematics Philosophy



The pace, content, and volume of work necessary to successfully complete the course will be appropriately tailored to children who excel in mathematics.

Students will be expected to work through complete investigations involving discovery inquiry to make mathematical conjectures independently and with their peers.

The accelerated mathematics curriculum covers 6<sup>th</sup> grade mathematics in 5<sup>th</sup> grade, infusing a high level of rigor and critical thinking skills; consistently solving abstract application problems.

The goal of this program is to prepare students for *Algebra I* in grade 7 and, ultimately, for *Advanced Placement Calculus BC* in grade 12.



# What Curriculum is covered in the Accelerated Math Program?

Students who are admitted into this program will adhere to the following sequence in the curriculum:

## 5<sup>th</sup> Grade Class:

- 5<sup>th</sup> grade curriculum: Students should be proficient with major content clusters necessary for critical thinking applications. A brief review of relevant topics will be discussed.
- 6<sup>th</sup> grade curriculum: All major content clusters within the Common Core are addressed
- 7<sup>th</sup> grade curriculum: Content clusters from the beginning of the 7th grade curriculum will be addressed







# Criteria

**To enter the *Grade 5 Accelerated Mathematics program* in the fall of 2016 a student must satisfy 3 out of 4 of the following criteria:**

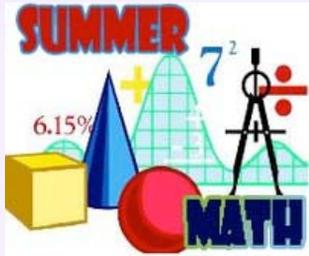
- Teacher recommendation.
- Score of 94% on the 4<sup>th</sup> grade district End of Year test administered during the last week of May or the first week of June in grade 4.
- Score of 80% on the 5<sup>th</sup> grade district End of Year test administered during the last week of May or the first week of June in grade 4.
- Final grade of 95 or better in 4<sup>th</sup> grade mathematics.
- PARCC scores will not be a criteria for students entering the accelerated mathematics program during 2016-2017 school year but will most likely be a criteria for all subsequent years.

# How will you be notified?

- End of year assessment scores will be sent home by the end of the school year
- Once all criteria have been received, letters will go out to students who qualify







# Accelerated Mathematics Summer Learning Packets

Summer learning packets are strongly encouraged. The purpose is to review mathematical concepts which are prerequisites for each subsequent year.

- **Entering 5<sup>th</sup> grade:** Completion of the 6<sup>th</sup> grade learning packet
- **Entering 6<sup>th</sup> grade:** Completion of the 7<sup>th</sup> and 8<sup>th</sup> grade learning packets
- **Entering 7<sup>th</sup> grade Algebra I:** Completion of the Middle School Algebra I learning packet
- **Entering 8<sup>th</sup> grade Geometry:** Completion of the Middle School Geometry learning packet

Each High School course will also have a learning packet for summer review.

# Summer Courses



Courses taken during the summer will be for ***enrichment purposes only***. Advancement will not be permitted until the summer after the successful completion of ninth grade.