

Accelerated Mathematics Parent Information Night

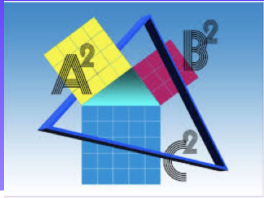
January 9, 2019

6:30 pm

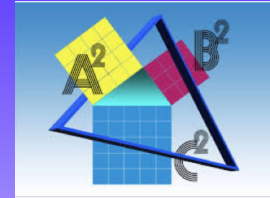
Susan Gasko

District K-12 Supervisor of Mathematics
and Educational Technology

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.

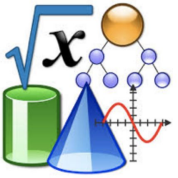
Students will be expected to work through complete investigations involving discovery inquiry to make mathematical conjectures independently and with their peers.

The accelerated mathematics curriculum covers 6th grade mathematics in 5th 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:

5th Grade Class:

- ❖ 5th grade curriculum: Students should be proficient with major content clusters necessary for critical thinking applications. A brief review of relevant topics will be discussed.
- ❖ 6th grade curriculum: All major content clusters within the NJ 2016 Student Learning Standards are addressed
- ❖ 7th grade curriculum: Content clusters from the beginning of the 7th grade curriculum will be addressed



What Curriculum is covered in the Accelerated Math Program?

6th Grade Class:

- ❖ This class will cover the 7th and 8th grade NJ 2016 Student Learning Standards in one year infusing abstract concepts at a rigorous pace.

7th Grade Class: Algebra I

8th Grade Class: Geometry



High School Curriculum Options

9th Grade: Honors Algebra II

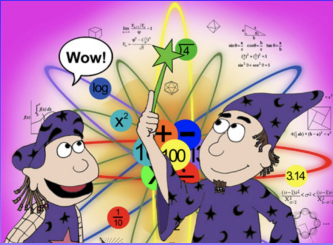
10th Grade: Honors Precalculus

11th Grade: AP Calculus AB

or AP Calculus AB/BC

12 Grade: AP Calculus BC (Multivariable Calculus, Differential Equations and or Linear Algebra are possible through senior option at Middlesex County College)





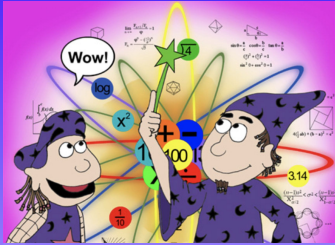
Criteria

* To enter the *Grade 5 Accelerated Mathematics program* in the fall of 2019 a student must satisfy the following updated criteria:

* Score of 92% on the 4th grade Accelerated Mathematics Readiness Assessment administered in the spring of Grade 4.

In addition, a student must meet a minimum of 1 of the 2 following criteria:

- * Final grade of 95 or better in 4th grade mathematics.
- * A grade 4 Spring MAP RIT score of 233 or higher



Criteria

* To enter the *Grade 6 Accelerated Mathematics program* in the fall of 2019 a student must satisfy the following updated criteria:

* Score of 92% on the 5th grade Accelerated Mathematics Readiness Assessment administered in the spring of Grade 5.

In addition, a student must meet a minimum of 1 of the 2 following criteria:

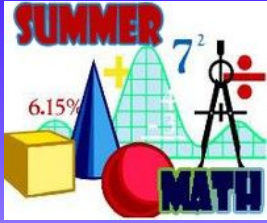
* Final grade of 95 or better in 5th grade mathematics.

* A grade 5 Spring MAP RIT score of 242 or higher

How will you be notified?

- ❖ End of year assessment scores will be sent home by the end of June
- ❖ 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 5th grade:** Completion of the 6th grade learning packet
- ❖ **Entering 6th grade:** Completion of the 7th and 8th grade learning packets
- ❖ **Entering 7th grade Algebra I:** Completion of the Middle School Algebra I learning packet
- ❖ **Entering 8th 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.