

**Accelerated  
Mathematics  
2018-2019  
Parent Information  
Night**

**December 11, 2017**

**6:30 pm**

Susan Gasko  
District K-12 Supervisor of Mathematics  
and Educational Technology  
[susan.gasko@monroe.k12.nj.us](mailto:susan.gasko@monroe.k12.nj.us)



# 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.

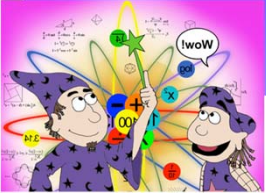
Students will be expected to work through complete investigations involving discovery inquiry to make mathematical conjectures independently and with their peers.

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 NJ 2016 Student Learning Standards are addressed
- ❖ 7<sup>th</sup> grade curriculum: Content clusters from the beginning of the 7th grade curriculum will be addressed





# High School Curriculum Options

**9<sup>th</sup> Grade:** Honors Algebra II

**10<sup>th</sup> Grade:** Honors Precalculus

**11<sup>th</sup> 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 2018 a student must satisfy the following updated criteria:**
- \* Score of 92% on the 4<sup>th</sup> 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 4<sup>th</sup> grade mathematics.
- \* A grade 4 Spring MAP RIT score of 233 or higher (RIT is a measurement scale developed to simplify the interpretation of **test** scores)



# Criteria

- \* **To enter the Grade 6 Accelerated Mathematics program in the fall of 2018 a student must satisfy the following updated criteria:**
- \* Score of 92% on the 5<sup>th</sup> 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 5<sup>th</sup> grade mathematics.
- \* A grade 5 Spring MAP RIT score of 242 or higher (RIT is a measurement scale developed to simplify the interpretation of **test** scores)

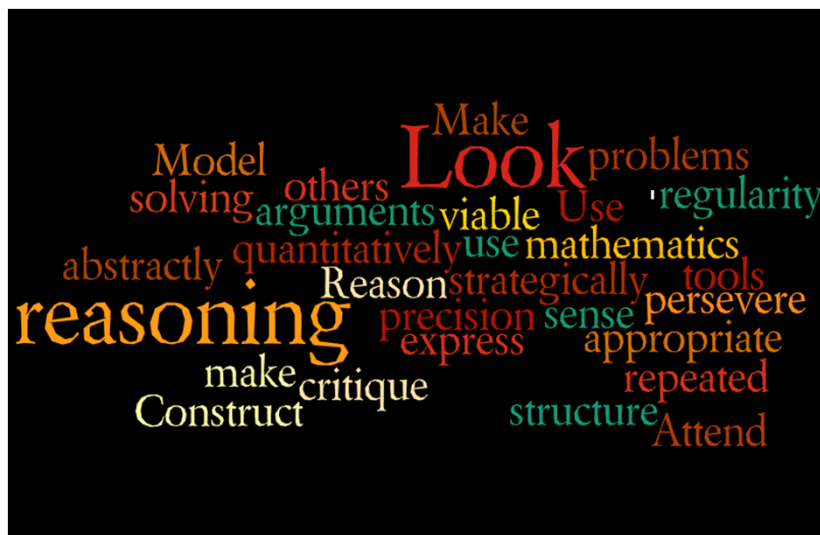


# How will you be notified?

- ❖ 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



In order to stay in the program a grade of **85 or higher** must be met by the end of each school year in grades 5 through 8.





# 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.