# *Mathematics*

The learning of mathematics takes place in a student-centered environment where students are actively involved in the investigation and discovery of mathematical principles. In the process, students learn the language of mathematics, appreciate the beauty of mathematical ideas, and study the relevance of their applications across the disciplines.

**Dr. Geetha Murthy**
**Mathematics Director K-12**
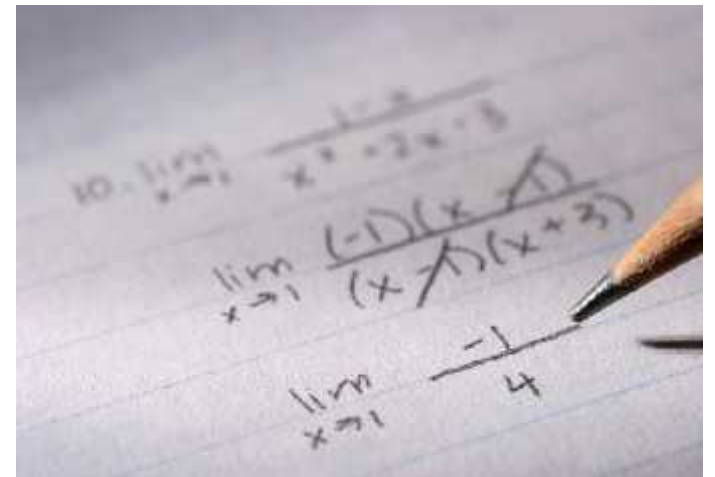**516-305-8613**
**E-mail: gmurthy@Herricks.org**

# 9th Grade Courses

- Algebra 1
- Geometry
- Algebra 2
- Algebra 2 Honors

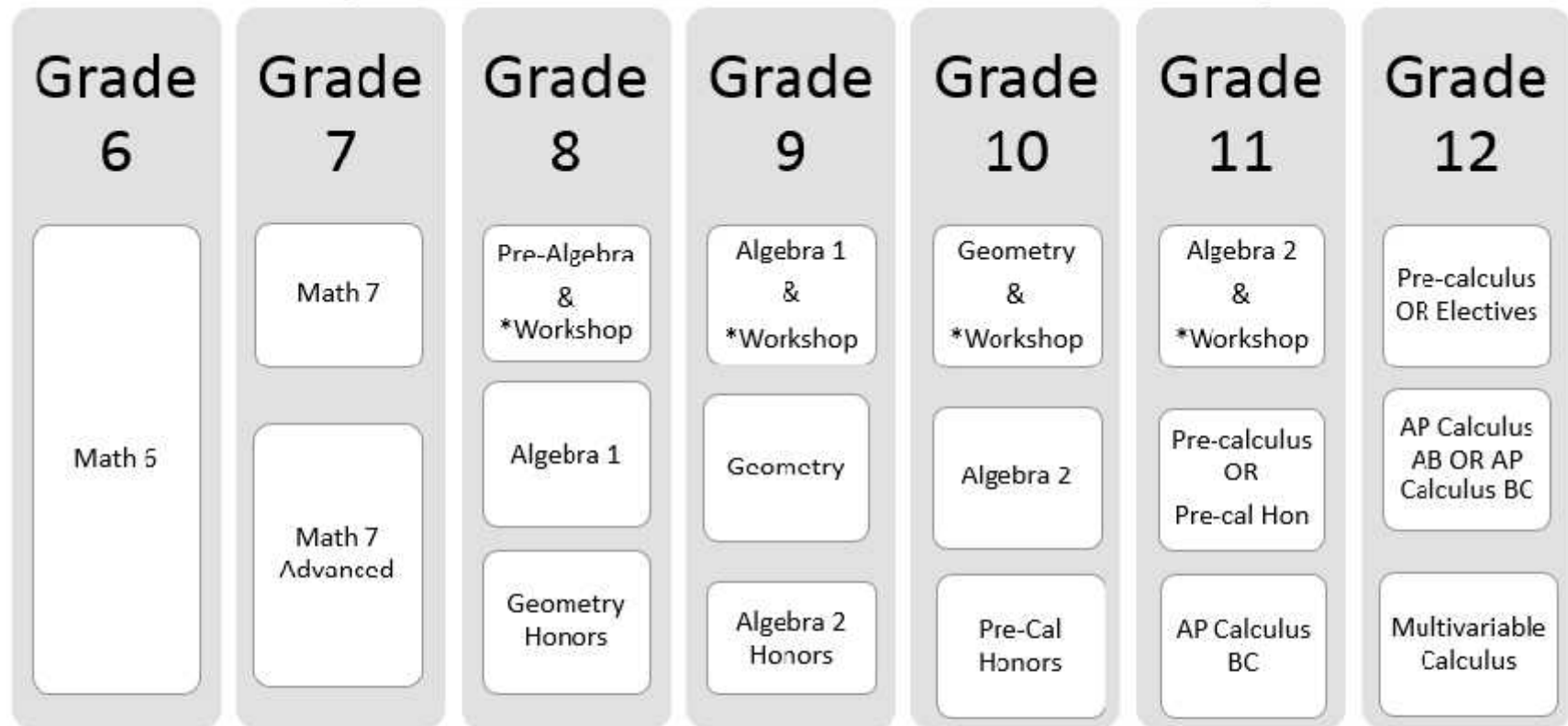***Algebra 1, Geometry and Algebra 2 Workshop for Math Support***

## Electives:

- Computer Science I & II
- AP Computer science Principles
- Math Research Level I

## MATHEMATICS DEPARTMENT
## FLOW CHART 2019-20**

| Grade 6 | Grade 7 | Grade 8 | Grade 9 | Grade 10 | Grade 11 | Grade 12 |
|---------|---------|---------|---------|----------|----------|----------|
| Math 5 | Math 7 | Pre-Algebra & *Workshop | Algebra 1 & *Workshop | Geometry & *Workshop | Algebra 2 & *Workshop | Pre-calculus OR Electives |
| | Math 7 Advanced | Algebra 1 | Geometry | Algebra 2 | Pre-calculus OR Pre-cal Hon | AP Calculus AB OR AP Calculus BC |
| | | Geometry Honors | Algebra 2 Honors | Pre-Cal Honors | AP Calculus BC | Multivariable Calculus |

*Workshop for Math support

** This flow chart is in effect for current Grade 7 and 8 students.

## MATH ELECTIVES

Grade 9- Math Research Level 1. Computer Science I, Computer Science II

Grade 10- Math Research Level 2, CS Principles AP, Computer Science I, Computer Science II

Grade 11 and 12- Math Research Level 3, CS Principles AP, Computer Science I, Computer Science II, Computer Science AP, Statistics AP, Topics in Math, College Algebra
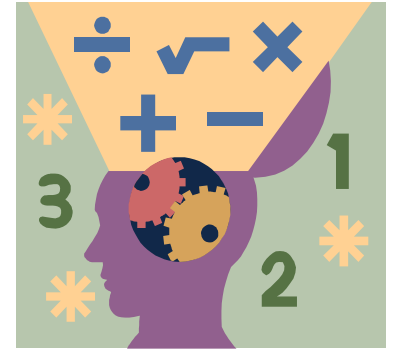
# Extra Curricular Activities

***Mathletes Club***

- Grade 9 ( Juniors Team)
- Grades 10-12

***Competitions***

- AMC 10 /12
- Nassau County Math Tournament
- Coding Club
- Long Island Math Fair (Hofstra University*)*

# Math Extra Help / Support

➲ Wednesdays, after school, Thursdays, Math Testing Day

➲ Learning Center, Periods 4-8 Room 204

➲ Academic Support, Grades 9-10

➲ Student Tutoring through Guidance Department