

The background features a large blue shape on the right side, a smaller teal shape at the bottom left, and an orange triangle on the far left. The text is centered in the white space.

MANHASSET MATH CURRICULUM OVERVIEW

FRIDAY, NOVEMBER 3, 2017

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MATHEMATICS COORDINATOR K-12

ELEMENTARY MATHEMATICS

Grades K – 6: Math in Focus – Singapore Mathematics

- CPA Approach: Concrete, Pictorial, Abstract
- Meets and exceeds NYS Learning Standards
- Emphasis on problem solving
- Prepares students for success in algebra



ELEMENTARY-MIDDLE SCHOOL FLOWCHART

6th Grade:

6 Grade MIF

Math 7E (7 & 8)

7th Grade:

Math 7

Math 7E

Math 8H

Algebra H

8th Grade:

Math 8

Math 8H

Algebra H

Geometry H



SEQUENCE OF HIGH SCHOOL MATH CLASSES

| | |
|-------------------------|-------------|
| 7 th Grade: | Math 7 |
| 8 th Grade: | Math 8 |
| 9 th Grade: | Algebra |
| 10 th Grade: | Geometry |
| 11 th Grade: | Algebra 2 |
| 12 th Grade: | PreCalculus |



SEQUENCE OF HIGH SCHOOL MATH CLASSES

| | |
|-------------------------|----------------------|
| 7 th Grade: | Math 7E (Math 7 & 8) |
| 8 th Grade: | Algebra |
| 9 th Grade: | Geometry |
| 10 th Grade: | Algebra 2 |
| 11 th Grade: | PreCalculus |
| 12 th Grade: | AP Calculus |



SEQUENCE OF HIGH SCHOOL MATH CLASSES

| | |
|-------------------------|---------------------------|
| 7 th Grade: | Algebra |
| 8 th Grade: | Geometry |
| 9 th Grade: | Algebra 2 |
| 10 th Grade: | PreCalculus |
| 11 th Grade: | AP Calculus |
| 12 th Grade: | Multivariable Calculus |



SECONDARY MATH FLOWCHART

6th Grade:

6th Grade Math

Middle School Math

7th Grade:

Math 7R

Math 7E

Math 8H

Algebra

8th Grade:

Math 8R/H

Algebra

Geometry

9th Grade:

Algebra

Geometry

Algebra 2

10th Grade:

Geometry

Algebra 2

Pre-Calculus

11th Grade:

Algebra 2

Pre-Calculus

AP Calculus

12th Grade:

Pre-Calculus

AP Calculus

Multivariable
Calculus



SUPPORTED MATH CLASSES

Math 7 - Math 7 Skills Inclusion

Math 8 - Math 8 Skills Inclusion

Algebra - X Class Inclusion

Geometry - X Class Inclusion

Algebra 2 - X Class Inclusion

AP Calculus AB - Lab



MATH ELECTIVES

- Introduction to Computer Programming I & II
 - Prerequisite – Completion of Algebra
- AP Computer Science
 - Prerequisites – Completion of Algebra 2 and Introduction to Computer Programming I & II
- AP Statistics
 - Completion of Algebra 2



FUTURE CONSIDERATIONS

- AP Computer Science Principles

The AP Computer Science A course and exam focus on computing skills related to programming in Java. The new AP Computer Science Principles course will complement AP Computer Science A and will focus on the broader aspects of computing, including computing with large-scale data, the Internet, and cybersecurity.

Prerequisite: Algebra

- Linear Algebra

Prerequisite: AP Calculus BC



Thank You

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