

Welcome!

MVHS Mathematics
Course selection night:
February 13, 2020

Kathleen Yokoyama McCarty, Department
Lead

Selecting Your Math Class

- Select the math class that is right for you!
- Grade Expectations
CW/HW is a smaller part of your grade in HS
- Good rule of thumb - match rigor with interest
- Informed Decision Making - seek information from your current math teacher, guidance staff, parents, etc.
- *You **can** repeat your 8th grade math class (Alg 1, Geo) as a 9th grader in order to build a strong foundation*

Requirements

FUHSD Graduation

- D grade or higher
- 2 years (through “geometry”)
- Algebra:
 - Algebra 1
 - Algebra 2 or Alg 2/Trig
 - Any of the AP math classes
- Geometry:
 - Geometry
 - Applications of Advanced Mathematics (AAM), Precalc or Precalc Honors

CSU / UC / 4 yr university

- C grade or higher
- 3 years recommended (through Alg 2)
- UCs and other more selective universities recommend 4 years

Success in all classes requires:

- Asking for Help
- Self Management
- Organization
- Note Taking



MVHS Math Pathways

AP Statistics*

AP Calculus AB

AP Calculus BC

Applications of
Advanced Math

Pre Calculus

Pre Calculus
Honors

*AP Statistics
may be taken
upon successful
completion of
any upper level
math class

Algebra 2

Algebra 2 /
Trigonometry

Geometry

Algebra 1

Middle School Math Trends

8th graders who successfully complete a course called:	Should plan on taking this course in 9th grade:
Common Core Math 8	Algebra I
Common Core Math 8-Alg 1	Geometry
Common Core Math-Geometry	Algebra II Algebra II/Trig.

Algebra 2 vs 2/Trig

Successful completion of Alg 2 prepares students for AAM or PC

Successful completion of Alg 2/Trig prepares students for PCH

Differences between Alg 2 & Alg 2/Trig:

- Pace
- Time commitment
- More self-reliance

Alg 2 is a good option for students looking for additional support or students who do not have time in their schedule to support the work load.

Electives

Java is a year long course and more rigorous than what your student may have encountered during a summer program.

AP Computer Science A

- Covers the foundations of object oriented programming with Java as the base language
- Advisory: completion of **Java & Alg2 / 2/Trig** are recommended

AP Computer Science Principles

- Exposure to ~12 languages
- Design thinking
- Formal logic
- Semantics
- Policy regarding technology

Thank you for attending!

kathleen_mccarty@fuhsd.org