

Welcome!

MVHS Mathematics Course Overview for rising 9th graders

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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, counseling 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

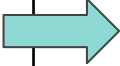
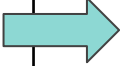
FUHSD Graduation

- 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 required (through Alg 2), to include the topics covered in elementary and advanced algebra and two- and three-dimensional geometry
A geometry course or an integrated math course with a sufficient amount of geometry content must be completed.
- 4 years recommended

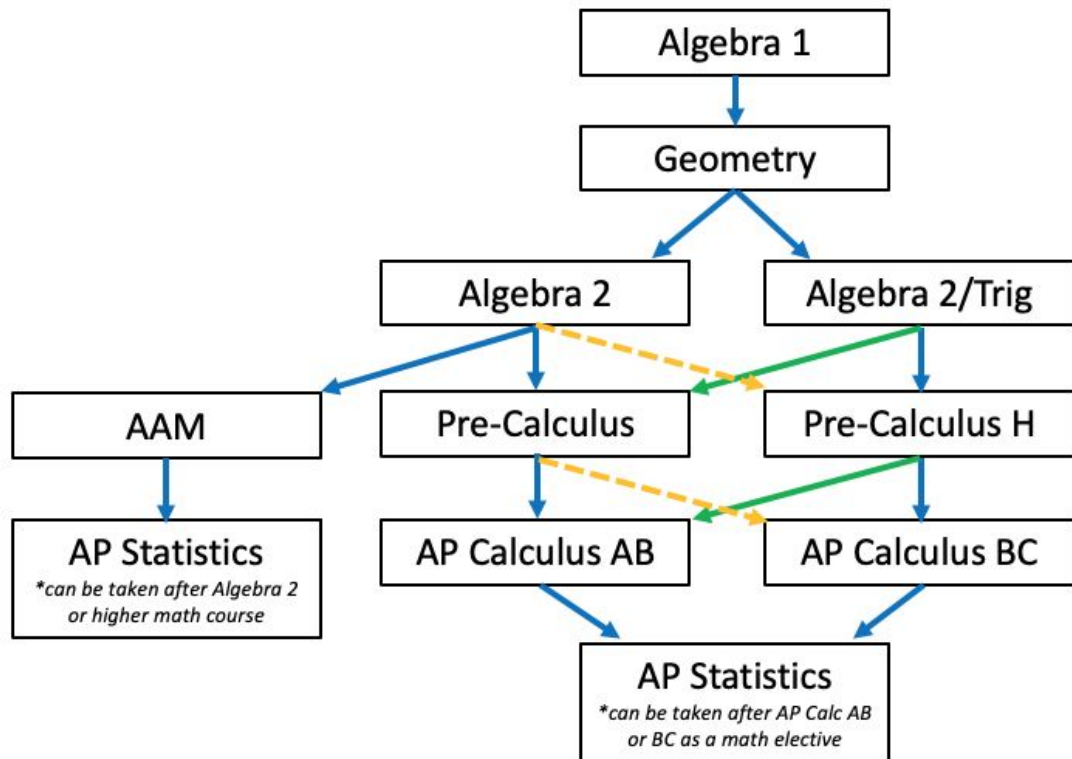
Middle School Math Trends

8th graders who successfully completed KMS/LMS course:	Should plan on taking this course in 9th grade:
Common Core Math 8	 Algebra 1
Common Core Math 8 - Algebra 1	 Geometry
Common Core Math 8 - Geometry* *Make sure you have strong Alg 1 skills	 Algebra 2 Algebra 2/Trig

Mathematics

Graduation Requirement = 20 credits or 2 years in high school (Algebra and Geometry minimum)

College entrance requirement = 3 years minimum (thru Algebra 2), 4 years recommended



Arrow Key:

Blue = the expected course progression assuming student is doing well academically

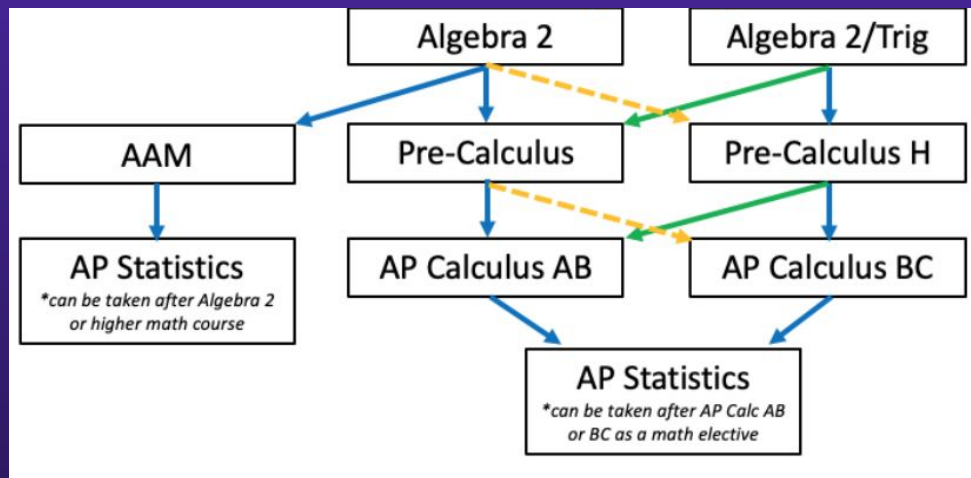
Green = students who may have found their previous course too challenging

Orange = alternative paths, not recommended without first consulting with current teacher



Skipping levels is NOT recommended and summer study is not considered sufficient preparation for high level math courses

Algebra 2 vs Algebra 2/Trig



Differences between Alg 2 & Alg 2/Trig:

- Pace
- Time commitment
- Level of self-reliance

Watch the [course videos](#)!

Think about how quickly you learn new concepts, and balancing your workload with respect to all your classes & extracurricular activities

Selecting Your Math Class

- Reinforcement & practice of algebra skills very important in their first high school course; it reflects throughout high school math courses
- Think about your child's entire schedule, including extracurricular activities
- No schedule changes after the first day of school



A summer class will NOT give you the same foundation as a year long class!

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
- Completion of **Java & Alg2 or 2/Trig** highly recommended

AP Computer Science Principles

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

**may only take AP CSA or AP CSP during high school career - not both*

Summer Courses

- Summer enrichment courses are not posted to MV transcript
- High school transcript begins on August 17
- If taking summer course:
 - **must be accredited UC/CSU provider** school and self report and may have to send separate transcript during college applications
 - Self studying and tutoring centers don't count
 - Must be **year long equivalent course** with an accredited provider with official transcript
- No approval needed from MV for summer courses

Success in all classes requires:

- Don't be afraid to ask the teacher for help!
- Contact the teacher directly for any questions or concerns
- Utilize tutorials for extra help (3x/week)
- Time management and don't overload
- Stay organized and take notes



Resources

MVHS Course Selection Webpage

COURSE SELECTION FOR 2026-27 SCHOOL YEAR

EVENTS AND DATES

For important events and dates for each grade level see the following:

Current 8th/ Incoming 9th Grade

Current 9th-11th/ Incoming 10th-12th

MSSAP TRANSFER PROGRAM

Application

Informational Meeting

Student Shadow Day

MATH PLACEMENT

MATH PLACEMENT POLICY

Math FAQ's for 8th Grade Families

COURSE SELECTION RESOURCES

2026-27 FUHSD Course Selection Guide

2026-27 MVHS Course Offerings

Course Videos
For 2026-27

Graduation Requirements

MVHS Time Management Worksheet

Course Selection FAQ's

COURSE SELECTION FORMS

CURRENT 8TH/RISING 9TH GRADERS

CURRENT 9TH/RISING 10TH GRADERS

CURRENT 10TH/RISING 11TH GRADERS

CURRENT 11TH/RISING 12TH GRADERS

PRESENTATIONS AND Q&A

MSSAP

CURRENT 8TH/RISING 9TH GRADERS

CURRENT 9TH/RISING 10TH GRADERS

CURRENT 10TH/RISING 11TH GRADERS

CURRENT 11TH/RISING 12TH GRADERS

DEPARTMENT AND PROGRAM INFORMATION

+ AVID

+ CTE PATHWAYS INFORMATION

+ ELD

+ ENGLISH

+ INTERDISCIPLINARY RESEARCH AND PROJECT DESIGN

+ MATH/COMPUTER SCIENCE

+ PHYSICAL EDUCATION

+ SCIENCE

+ SOCIAL STUDIES

Questions?

- **Monta Vista Math Department Lead - Alan Wong (alan_wong@fuhd.org)**

For specific questions about course selection and your student contact your Alpha Team via email:

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School Counselor Team	Assistant Principal Team
<u>Last Names A to Ga:</u> <i>Ashley Voigt</i> <i>Ashley_Voigt@fushd.org</i> (Substitute for Term 2: Maribel Sanchez)	<u>Last Names A to H:</u> Anthony Nguyen Anthony_Nguyen@fuhd.org
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