



2020—2021 Semester I (Distance Learning) COURSE SYLLABUS Math 2+ Syllabus

Instructor:

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Textbook:

Common Core State Standards, Mathematics II, Integrated Pathway. Walch.

Supplemental Resources:

<http://www.khanacademy.org/>

Course Description:

Math II continues students' study of topics from algebra, geometry, and statistics in a problem-centered, connected approach. Functions and algebraic representations of geometric concepts are the principle topics of study. Students will be expected to describe and translate among graphic, algebraic, numeric, tabular, and verbal representations of relationships and use those representations to solve problems. The new Common Core high school standards call on students to practice applying mathematical ways of thinking to real world issues, prepare students to think and reason mathematically, and emphasize mathematical modeling..

Technology Requirement:

Scientific calculators will be used in class and for at-home assignments regularly. All in-class calculator demonstrations will be on a TI-30x, however, any scientific or graphing calculator is acceptable. Those students who cannot provide their own calculator will be instructed on how to use free online calculators to perform calculations.

Additional Support:

Post-instruction Zoom sessions will be offered weekly (days and times will be announced via google classroom once the SCUSD distance learning schedule is finalized). These sessions will be used to extend live instruction, receive homework assistance, review prior knowledge, provide tutoring, and form study groups with peers.

Final Exams:

At the end of the first semester students will participate in a final exam/project to demonstrate overall content knowledge acquired during the first semester.



Grading Scale:

A	90-100%
B	80-89.9%
C	70-79.9%
D	60-69.9%
F	0-59.9%

Grading Categories:

50%	Assessments
40%	Assignments
10%	Participation/Engagement

Late Work Policy:

Assignments submitted after the posted due date are subject to a 50% point deduction. All unit assignments must be submitted before the unit test is administered in order to receive any points.

Missed Assessment Policy:

If a live assessment is missed due to unpreventable circumstances it is the student's responsibility to contact the teacher as soon as they know they will/have missed the assessment in order to discuss any possible make-up opportunities.

Plagiarism Policy:

Any instances of plagiarism will result in a score of zero.

Academic Expectations:

Students are expected to fully engage in distance learning to the best of their ability. This means the student will attend and participate in every live classroom opportunity they are able to. They will engage in teacher/student and student/peer conversations through Zoom, Google Classroom, email, and other internet-based instructional platforms. They will check in to Google Classroom and their google school email accounts daily to see updates, announcements, and assignments. They will utilize resources linked to Google Classroom, including but not limited to the public class website www.mt-jfk.com. They will utilize note outlines and video lessons to continue to learn content and create a cumulative Calculus notebook for their reference. They will contact the teacher immediately with questions, issues, or concerns either through Google Classroom or email, knowing that in distance learning written student/teacher communication is a necessary part of a successful learning opportunity.

**Topic Outline:**

This program includes all the topics addressed in the CCSS Integrated Pathway: Mathematics II content map. These include:

- + Extending the Number System
- + Quadratic Functions and Modeling
- + Expressions and Equations
- + Applications of Probability (will be completed only if time allows due to revised pacing through distance learning)
- + Similarity, Right Triangle Trigonometry, and Proof
- + Circles With and Without Coordinates