



2024-2025 COURSE SYLLABUS

Math 2 Plus

Instructor:

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Textbook:*Common Core State Standards, Mathematics II, Integrated Pathway.* Walch.**Supplemental Resources:**<http://www.khanacademy.org/>**Course Description:**

Math 2 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 principal 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 at home and will be loaned calculators for in-class use. Students are expected to bring a charged school-issued Chromebooks or a personal laptop to class each day.

Additional Support:

Tutoring will be available before school from 8am until the first bell, during C-Building lunch, and after school until 4pm on available days (which will be posted and updated regularly).

Final Exams:

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

Grading Scale:

A	89.5-100%
B	79.5-89.4%
C	69.5-79.4%
D	59.5-69.4%
F	0-59.4%

Grading Categories:

75% Assessments
25% Assignments



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Late Work Policy:

Assignments submitted after the posted due date are subject to a point deduction not exceeding 50%. However, all unit assignments must be submitted before the unit test is administered to be graded.

Missed Assessment Policy:

If an 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 missed assignment/assessment.

Academic Expectations:

Students are expected to engage fully in all classroom activities as well as advocate for their own learning needs and taking advantage of additional opportunities/resources for full comprehension. Students will utilize information posted in the classroom and on Google Classroom to ensure they are aware of class expectations on any given day, whether they are present in class or working at home. Students will work towards increasing their concept mastery each day, understanding that opportunities to demonstrate this mastery and thus earn a passing grade will not cease until semester grades are final. Students will seek out assistance from the teacher, their peers, or family members whenever necessary to reach success.

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
- + Similarity, Right Triangle Trigonometry, and Proof
- + Circles With and Without Coordinates