



Math 2 - Syllabus 2023-2024

Instructor: Mrs. Grainger – Room 108

[julie.grainger@mtchs.org](mailto:julie.grainger@mtchs.org)

208-288-2928 # 108

Curriculum: Common Core Integrated Math I and Math 2

### Course Overview

Common Core Integrated Math 1 is the foundation upon which further mathematical study will be based. Students will extend mathematics learned in previous years. Students will study linear and exponential equations, and functions. Students will use linear regression and perform data analysis. They will also cover geometry topics such as simple proofs, congruence, and transformations. Second semester students will cover the following in common core Math 2: functions and exponents, polynomial equations, factoring, graphing/solving quadratic functions and equations, and probability.

### Class Materials

- Class notes and videos
- Scientific Calculator (graphing capabilities such as TI-83 or TI-84)
- Composition Book
- Pencils and Erasers

### Grading Policy

Grade will be divided into the following four categories over the course of each semester:

- Notetaking and participation 10%
- Assignments 25%
- Quizzes/Projects 30%
- Tests/Final 35%

### Grading Scale

A 90 to 100

B 80 to 89

C 70 to 79

NC 0 to 69

### Late Work

Students may receive no more than 70% for late assignments; MTCHS handbook rules may be accessed online. If a student knows they will be absent, please email in order to get assignments you will be missing while out (see page 7 of handbook) <https://www.mtchs.org/our-mission-vision/studenthandbook/>)

Any missing or late assignment may be submitted up to two school days after the assignment is marked missing in PowerSchool. Exceptions to this policy may be requested by the student in an email. The teacher will make the final determination and will inform the student of the decision in an email.

## Retakes

If a student receives below 70% on an assignment, quiz or test, students may redo the problems they incorrectly completed to receive up to half of the credit back while in the presence of the teacher. At the Teacher's discretion another assignment, quiz or test can be given before or after school. Students must arrange a time to retake an assignment, quiz, or test with the teacher. If a student receives below 70% on an assignment, then the student can redo the assignment for a grade of up to 70%. **Assignment, Quiz or Test makeup is due within 1 week of original due date.**

## Course Units – Semester 1 – Quarter 1

- Solving Linear Equations (C1)
- Solving Linear Inequalities (C2)
- Graphing Linear Functions (C3)
- Writing Linear Functions (C4)
- Solving Systems of Linear Equations (C5)
- Exponential Functions and Sequences (C6)

## Course Units – Semester 1 – Quarter 2

- Data Analysis and Displays (C7)
- Basics of Geometry (C8)
- Parallel and Perpendicular Lines (C10)
- Transformations (C11)
- Congruent Triangles (C12)

## Course Units - Semester 2

- Functions and Exponents (C1)
- Polynomial Equations and Factoring (C2)
- Graphing Quadratic Functions (C3)
- Solving Quadratic Equations (C4)
- Probability (C5)