



MERIT Math 9/10 A & B Grand Haven High School



Course Number: S21
Grade Level: 9th & 10th
Credits : 1
Prerequisite Courses : None

Course Description

This mathematics course is designed to give students a basic understanding of mathematic concepts and operations. The class will start with concepts such as place value and numeration before moving into more complex skills. To encourage understanding and motivation, students will be presented with problem solving exercises that relate concepts to everyday situations.

Course Objectives

Students will master basic concepts that are necessary for success in life at school, at home and in the workplace.

Student Expectations

A positive attitude will bring positive results. All students and staff are expected to do their personal best in class daily. Respect for yourself, others, and the environment around you will also be expected from everyone in the classroom. If student's behavior is disrespectful or disruptive, discipline actions will follow.

Communication

Eva Clark
850-6257
clarke@ghaps.org

Grading Policy

Daily Assignments, Warm-ups, Notes, & Class Participation (40%)

Your efforts in class and on your daily assignments will be key to your success in class. Each day you come to class you will have the opportunity to learn something new and practice what you have learned. Each class period you will be expected to complete the daily warm-up, take notes, and get started on an assignment.

Building Behavioral Expectations

TEAM GH ... One Team, One Family, One Grand Haven. Be Kind. Always.

It is our expectation that ALL GHHS students, staff and parents will ... always give their best **EFFORT** in everything that they do, work hard to be **INCLUSIVE** of each other, show **RESPONSIBILITY** in class, the hallways, cafeteria and at events, and **WORK TOGETHER** at all times!

GO BUCS

Warm-ups - Almost every day we will complete warm-up problems together to begin class. These problems are a review from the material we learned the day before or an introduction to that day's material.

Assessments (60%)

The best way to prepare for a quiz or test is to study your notes, warm-ups, and previous assignments. Practicing problems (redoing) from those resources will help you be more prepared for the quiz or test.

Quizzes - Each unit you will have a quiz (or two) that will cover the material we have most recently been studying. These will often be given halfway through the unit.

Unit Tests - At the end of each unit you will have a chapter test. These tests will cover all of the material in the unit that we have been studying.

Projects - Projects will be assigned to check for mastery of core concepts. These will be assigned individually and as groups. Students will be offered a variety of options in which to present their projects.

Scope and Sequence

Below is a list of basic concepts that will be taught in MERIT Math 9/10. They are based on the Functional Independence Mathematics Extended Benchmarks for Grades 8 and 9. However, the schedule may be modified depending on the individual needs of the students and how well students are mastering the concepts. New concepts not listed may also be introduced throughout the year depending on student progress.

First Year:

1. Place Value
2. Rounding/Estimating Numbers
3. Percentages
4. Tips and Taxes
5. Positive and Negative Integers
6. Order of Operations
7. Basic Algebra (i.e. finding an unknown variable)
8. Data Analysis: Mean, Median, Mode, and Range
9. Graphs/Data Collection (Tallies, Pictographs, Pie, Line, and Bar Graphs)
10. Basic Geometric Concepts
11. Area and Perimeter
12. The Coordinate System

Building Behavioral Expectations

TEAM GH ... One Team, One Family, One Grand Haven. Be Kind. Always.

It is our expectation that ALL GHHS students, staff and parents will ... always give their best **EFFORT** in everything that they do, work hard to be **INCLUSIVE** of each other, show **RESPONSIBILITY** in class, the hallways, cafeteria and at events, and **WORK TOGETHER** at all times!

GO BUCS

Second Year:

1. Patterns and Relationships
2. Place Value
3. Rounding/Estimating Numbers
4. Money (Identification, Counting, Rounding, Adding and Subtracting)
5. Fractions (Adding, Subtracting, Dividing, and Multiplying)
6. Ratios
7. Probability
8. Graphs/Data Collection (Tallies, Pictographs, Pie, Line, and Bar Graphs)
9. Measurement (Time, Temperature, Distance, Weight, etc.)
10. Maps and Grids
11. Percentages
12. Tips and Taxes

Building Behavioral Expectations

TEAM GH ... One Team, One Family, One Grand Haven. Be Kind. Always.

It is our expectation that ALL GHHS students, staff and parents will ... always give their best **EFFORT** in everything that they do, work hard to be **INCLUSIVE** of each other, show **RESPONSIBILITY** in class, the hallways, cafeteria and at events, and **WORK TOGETHER** at all times!

GO BUCS