

COURSE EXPECTATIONS

12th Grade Math Topics

2019-20

Mr. Marieni

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Phone: (508) 460-3505 Room: 201

I. Course Goals

- Provide students with a review of mathematical concepts to prepare for the Mathematics SAT and for college mathematics placement exams (Accuplacer).
- Key review topics include:
 - Numbers and operations
 - Algebra and functions
 - Geometry and measurement
 - Data analysis and problem solving
- Students will practice SAT questions and Accuplacer questions in the classroom and “online”.
- In addition, provide 12th grade students with an understanding of mathematical topics that relate to real-world and business applications.
- Real-world topics to include:
 - Taxes
 - Overview of taxes and government outlays
 - Federal and State
 - 1040-EZ and 1040
 - FAFSA (Free Application for Federal Student Aid)
 - Financial Statements
 - Balance Sheet and Income Statement
 - Financial Ratios and Trends
 - Internet research
 - Stock Market Game
 - Internet research to find corporations
 - Investopedia simulation game
 - Excel spreadsheet to track performance
 - Types of Loans
 - Auto Loan vs Mortgage
 - Compound interest (application of exponential growth)
 - Types of Investments
 - Stocks, Bonds, CD’s, Mutual Funds
 - Compound growth (exponential growth)
 - Personal Budgeting and Expense Estimation
 - H&R Block Budget Challenge simulation game
 - Balance a Checkbook; Credit Scores

II. Classroom Expectations

- Students will treat each other and the teacher with respect.
- Students will give their best effort each day, participate in class activities, and seek help when needed.
- Students will come to class on time; prepared to work.
- Students will adhere to the rules in the **Hildreth Classroom Expectations and Hildreth Behavior Code**, which includes no cell phones or electronic devices in class.

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III. Required Materials

- Student notebook or classroom folders for handouts, classwork, and homework.
- Pencils and erasers (**all tests/quizzes must be completed in pencil**).
- *AMSCO's Preparing for the New SAT Mathematics (2016)* will be used for the SAT review. All handouts and materials will be provided.
- Other SAT and Accuplacer resources, homework assignments, etc. can be accessed from **my MHS website**, <http://mariemath.weebly.com/>
- The school will provide calculators and computers for supplemental class exercises and projects.

IV. Grading System / Assessment

- Assessments will consist of classwork (**Hildreth Daily Grade Rubric**), tests, quizzes, projects and homework.
- Weightings are 30% **Hildreth Daily Grade Rubric** for classroom participation, work completion, and behavior, 65% tests/quizzes/projects, and 5% for homework.
- All quizzes and tests will be announced ahead of time.
- Graded assessments (tests, quizzes, and projects) will be reviewed in class and will remain in portfolio folders in the classroom file cabinet.
- This course is now split into two separate semesters; 2 credits for each semester.
- There will be a final exam at the end of each semester (10% of total semester grade).
- For each semester, term 1 is 45%, term 2 is 45%, and the final exam is 10% of the total grade.

V. Homework

- Homework assigned will be due the following class.
- Homework will be checked and reviewed in class daily. 0, 2, or 4 points will be awarded for each homework assignment. Late homework **will only be accepted one day late** for half credit.
- All homework assignments will be posted on the classroom whiteboard and on my MHS website; handouts will be provided.

VI. Make-Up Work

- Students are required to promptly (within 10 school days) make up all missed classwork, homework, tests, quizzes, and projects due to absences, excused or unexcused.
- Classwork made up for excused absences can receive up to full credit; unexcused up to two-thirds credit. This impacts the **Hildreth Daily Grade Rubric**.
- Homework, tests, quizzes, and projects made up for excused or unexcused absences can receive up to full credit. No credit will be given after 10 school days.
- Following absences, **students are responsible** for seeing me for any missed work.

VII. Extra Help

- I am available for extra help in room 201 after school on any day (except Wednesday), or any morning before school, or during Period F or G.
- Students are encouraged to seek extra help when necessary and to notify me in advance.