

## Precalculus Syllabus 2022-2023

Course Instructor: Mrs. Dodd-Nagel  
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Location: HS Rm 129

**Course Description:** This course in precalculus is assumed to be preparation for future courses in calculus. This course will include the study of the tools used for mathematical modeling, a comprehensive look at trigonometric concepts, and graphing advanced functions. Each unit will include a focus on real-world math problems.

- Unit 1 - Linear Relations and Functions
- Unit 2 - Systems of Linear Equations
- Unit 3 - The Nature of Graphs
- Unit 4 - The Trigonometric Functions
- Unit 5 - Graphs of Trigonometric Functions
- Unit 6 - Trigonometric Identities and Equations
- Unit 7 - Polar Coordinates and Complex Numbers
- Unit 8 - Conic Sections
- Unit 9 - Exponential and Logarithmic Functions

**Units highlighted in yellow will be covered if time allows**

**Textbook:** “Advanced Mathematical Concepts, Precalculus with Applications,” by Glencoe/McGraw Hill, 2007. ISBN #0-07-868227-4

**Required Materials:** pens, pencils, 1 3-ring binder with folder, lined paper, graph paper, TI-Nspire CX graphing calculator (can be loaned out using the loan agreement)

**Grading Policy:** Your final grade in this course will be determined using the average of the 4 marking period grades and the final exam grade (20% each). Quarter averages for each student will be determined by *calculating the total number of points earned on homework (10 pts each), quizzes (50 pts each), and tests (100 pts each).*

**Attendance:** Student attendance is a necessary and vital ingredient in the learning process. A minimum class attendance requirement of 85% is highly recommended. It is expected that if a student must miss class for any reason, the student will request materials and information needed to make up for the time missed. This is the student's responsibility. There will be no remote instruction unless the school administration instructs us to do so. All class materials will be available through our channel on MS Teams. Lesson plans for the week will be on my school webpage.

**Late Assignments:** Late work will not be accepted unless other arrangements have been made prior to the assignment due date. Tests and quizzes must be made up within 5 school days of the original test date. Failure to do so will result in a grade of 0%.

**Cell Phones:** Cell phones are not permitted in class. If a cell phone is visible, it may be confiscated. If a cell phone is confiscated it will not be returned until the next school day at the earliest. No early warnings will be given.

**Syllabus Changes:** Students will be advised on changes to the syllabus as soon as is practical.

**Note to students:** A lack of preparation or attendance on your part does not constitute an emergency on my part. Also, it does not move you ahead of my other 95 students in terms of importance. If anything, it moves you to the back of the line. **There is no express lane for procrastination or absence from class.**