

Instructional Philosophy:

Learning mathematics requires a dialogue about mathematics and practicing mathematics. To be successful in Precalculus students must have laid a solid foundation in Algebra and Geometry. Students who have not done so will find this course particularly challenging. This challenge can be overcome but it will require extra time and effort on the part of the student. The purpose of Precalculus is not to review algebraic concepts but to expand upon them and introduce new ones.

Course Description:

This course is a college level course presenting topics necessary for success in the study of Calculus. The first semester begins with a review and extension of functions (General, Polynomial, Rational, Exponential and Logarithmic) then finishes with a unit on Systems of Equations. The second semester provides an in-depth study of Trigonometric functions and their applications then finishes with a couple of units on parametric and polar equations. Integrated into each of the units we will study the relationships between the four representations of data: equations, tables, graphs and real-life problems.

Textbook: Glencoe Precalculus \$100.00**Calculator:** Casio fx-9750II Graphing Calculator \$60.00**Chapters to be covered:**

1st Semester	2 nd Semester
Chapter 1 Functions from a Calculus Perspective	Chapter 4 Trigonometric Functions
Chapter 2 Polynomial and Rational Functions	Chapter 5 Trig Identities and Equations
Chapter 3 Exponential and Logarithmic Functions	Chapter 7 Conic Sections and Parametric Equations
Chapter 6 Systems of Equations	Chapter 9 Polar Coordinates and Complex Numbers

Course Expectations.

- Students should come to class prepared with the appropriate materials.
- Students should complete assigned material on time.
- Students should ask questions and seek tutoring help when needed.
- Students should take responsibility for their own learning.

Classroom Expectations

- Be Safe
 - Don't throw things.
 - Don't hit others (not even playfully).
- Be Respectful
 - Be supportive, not critical of other students.
 - Stay on topic when Ms. Stange is teaching.
 - Don't argue with Ms. Stange.
- Be Responsible
 - All electronics devices are to be put away prior to entering to the class.
 - Class starts when the tardy bell rings, be in your assigned seat and ready to go.
 - Remain seated until the bell rings or otherwise dismissed.
 - Keep track of your homework and make sure it is turned in on time.
 - If you are absent on the day of a quiz or test schedule a make-up time with Ms. Stange.

Assessment – How do I earn my grade?

Course grades will be determined through formative and summative assessments which include but may not necessarily be limited to homework assignments, quizzes, and summative tests. **The formative category accounts for 35% of a student’s final grade and the summative category accounts for 65% of a student’s final grade.**

Absent?

You are responsible to get the notes and make up all missing work. You will be given any missing worksheets. You will not be taught “missed” material during class when you come back. You will need to attend a tutoring session to make up missed class time. If you are absent the day of a test or a quiz, you have five school days to make up the test or quiz. You are responsible for scheduling a make-up time with Ms. Stange. Ms. Stange will not constantly remind you of missing tests or quizzes.

Phone Policy: Phones are **NEVER** allowed out during class time. Class time is considered from the time the tardy bell rings to when the dismissal bell rings. I will ask you once (during the entire school year) to put your phone away, after that I will take away credit for whatever we are doing that day. Homework, quiz, test you will get a zero. I will not ask twice and I will not negotiate. If you argue, you will be sent to your administrator. If you continue to have a problem with your phone I will take your phone away give it your administrator. I’m here to teach you math not phones!

District Grading Policy/Scale

The district grading policy will be used. The district grading scale is as follows:

A = 3.26 – 4.00

B = 2.51 - 3.25

C = 1.76 – 2.50

D = 1.01 - 1.75

F = 0.00 – 1.00