

# Pre Calculus Syllabus - Fall 2021

Mrs. Keller

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## Course Description

Pre-Calculus weaves together previous study of algebra, geometry, and mathematical functions into a preparatory course for calculus. The course focuses on mastery of critical skills and exposure to new skills necessary for success in subsequent math courses. Throughout the course, the student learns how to apply the concepts in real life situations. Topics include fundamental concepts of Algebra, functions and graphs, polynomials and rational functions, exponential and logarithmic functions, systems of equations and inequalities, matrices and determinants, conic sections, sequences, induction, probability, and an introduction to Calculus. If time permits, we will also review topics from trigonometry.

## Course Access

Computer and internet access, SCS Google log in to access Google Classroom, [Remind](#) for announcements, and possible testing on Mastery Connect.

Remind: at [remind.com](http://remind.com)

**Join codes for Semester will be provided by your teacher.**

## Course Materials

Binder and/or spiral notebook, pencils and a positive attitude.

## Calculator

Each student will have access to a TI-84 calculator for in school use.

## Tutoring

Students who need extra help are strongly encouraged to talk to their teacher about tutoring options.

## Grading Procedure

All grades are on a total point system. Grades will be updated regularly.

Quarter 1 is 50% of the final course grade,

Quarter 2 is 35% of the final course grade, and

Final Exam is 15% of the total grade.

Students and parents are encouraged to utilize [Parent Portal](#) to access grades.

### **Classwork: 5-10 points each**

Classwork is a combination of warm up activities, practice problems and group work.

Classwork will be completed daily and can be made up if a student is absent.

### **Quizzes: 20-50 points each**

Quizzes will be given to assess student understanding. All quizzes will be announced ahead of time.

### **Tests: 80-120 points**

Cumulative tests will be given at the end of each unit to assess student understanding of state standards.

### **QUARTER 1 (50% of GRADE)**

All work must be completed no later than the end of the quarter, October 6th, 2021 at 11:59 pm.

### **QUARTER 2 (35% of GRADE)**

All work must be completed no later than the end of the semester, December 20th, 2021 at 11:59 pm.

### **Final EXAM (15% of GRADE)**

Students NOT taking the SOL are required to complete the final exam. To be exempt from the exam the students can have no more than 5 absences AND at least a 90% average.

**SHS Grading Scale:**

<b>Letter Grade</b>	<b>Numerical Scale</b>	<b>Quality Points</b>	<b>1.0 Weighted</b>	<b>0.5 Weighted</b>
<b>A+</b>	98-100	4.33	5.33	4.83
<b>A</b>	93-97	4.00	5.0	4.50
<b>A-</b>	90-92	3.67	4.67	4.17
<b>B+</b>	87-89	3.33	4.33	3.83
<b>B</b>	83-86	3.00	4.00	3.50
<b>B-</b>	80-82	2.67	3.67	3.17
<b>C+</b>	77-79	2.33	3.33	2.83
<b>C</b>	73-76	2.00	3.00	2.50
<b>C-</b>	70-72	1.67	2.67	2.17
<b>D+</b>	67-69	1.33	2.33	1.83
<b>D</b>	63-66	1.00	2.00	1.50
<b>D-</b>	60-62	0.67	1.67	1.17
<b>F</b>	59 and below	0.00	0.00	0.00

**Staunton High School Rules**

We are here to build positive relationships and to support our students. We know that online and hybrid instruction models are going to be difficult for students, parents, and teachers. SHS has redesigned our school mantra to promote engagement and maintain a positive learning environment.

Safety first!  
 Together we can  
 Respect each other  
 Invest in your future  
 Visualize greatness  
 Elevate your mind

**Attendance/Make-up Work**

Students should be in attendance every day. If a student is **absent** from class, he/she is responsible for completing the missing assignments in a timely manner. Missing assignments will be graded as a 0 until the assignment is completed. If extenuating circumstances exist, the student should discuss it with the teacher about date extensions. All quizzes and tests must be taken on the scheduled day unless other arrangements are made with the teacher.

**Parent/Teacher Communication**

Parents can communicate with me via email or remind.com about any questions or concerns. A virtual option for parent conferences will be offered on the scheduled day as well.

All students attending Staunton City Public Schools may participate in education programs and activities, including but not limited to health and physical education, music, vocational and technical education. Educational programs and services will be designed to meet the varying needs of all students and will not discriminate against any individual for reasons of race, color, national origin, religion, age, disability, or gender.