

WELCOME TO HONORS PRECALULUS!

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Westside High School

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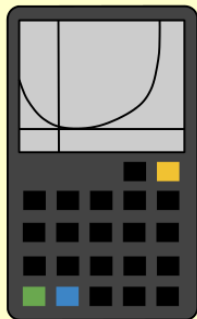
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Spring 2020 Course Syllabus

Welcome

In Precalculus, you will build on the conceptual knowledge and skills for mathematics you mastered in previous mathematics courses and construct a foundation necessary for subsequent mathematical study. This course provides you with a foundation in the theory of functions, roots and factors of polynomials, exponential and logarithmic functions, the complex number system, and an extensive introduction to trigonometry.

Be prepared: this course is very interesting, but it will also be challenging.



Graphing calculators are extremely helpful in Precalculus.

Materials

- notebook (your choice)
- loose-leaf paper
- pencils
- different color pens or pencils
- earbuds or headphones
- graphing calculator (TI-83, TI-84, TI-84c, TI-NSpire, or Casio Prizm) (Strongly Recommended)

Course Outline

- Building and Interpreting Functions
- Polynomial Functions
- Rational Functions and Limits
- Exponential & Logarithmic Functions
- Intro to Trigonometry
- Graphing Trig Functions
- Proving Trig Identities
- Solving Trig Equations & Applications
- Conic Sections
- Complex Numbers & Polar Coordinates
- Parametric Equations and Vectors
- Matrices
- Sequences, Series, and the Binomial Theorem

Tutoring

I will do my best to be available to you for your questions. Due to the uncertain nature of the COVID-19 epidemic, I do not have set times for tutoring at this point.

Please let me know when you need help and we will set up a time for tutoring.

In addition, we will set up a Remind messaging group for you to ask questions online.

Participation

Math class is not a spectator sport! You are expected to do three things in class:

1. Come prepared each day with your book, notebook, calculator, and pencils
2. Participate in class discussions constructively, take notes, and give your best effort during class activities
3. Work constructively with other members of the class if group work is assigned.



Homework

This is your opportunity to practice concepts and reinforce ideas we have covered in class. Usually it will be checked at the beginning of the next class.

Attendance

Your attendance is extremely important to your success in this class.

If you are absent, it is *your* responsibility to talk to me about the material you missed.

All material (homework, quizzes, tests, and projects) missed during a one-day absence should be made up within one day. If you are absent for more than one day, you should speak with me to work out a plan to make up the work.

Tardies

If you are not seated with your materials out when the bell rings, you will be counted as tardy.

Procedures

1. **At the beginning of class**, you should enter the room quietly. Sharpen your pencils, if necessary. Make sure your homework is turned in through Google Classroom and look at the board in the front of the room for further instructions. Complete the warm up activity and wait quietly for further instructions. Remember, you should be seated in your desk once the bell has rung.
2. **When we review homework**, pay attention! Correct your work if it is incorrect, but don't erase your original answers. You need to see your mistakes if you want to learn from them. Ask questions or volunteer to work out a problem for the class.
3. **During instruction or discussion**, sit quietly and attentively. Take notes. Raise your hand to ask or answer a question. Please do not get out of your desk or talk to other students unless you are instructed to do so. If you need to sharpen your pencil or get a tissue, ask for permission.
4. **Restroom**: Use your time between classes for the restroom. You will only be allowed to use the restroom during class in emergencies.
5. **When classwork or groupwork is assigned**, follow directions. Work productively and quietly. If you are allowed to work with others, speak to your group members in a low whisper so that you do not disturb others.
6. **When the class period is over**, wait for the teacher's signal before you pack up your belongings. Make sure you have copied down any assignment or other important reminders. Remember, the bell does not dismiss the class, the teacher dismisses the class.

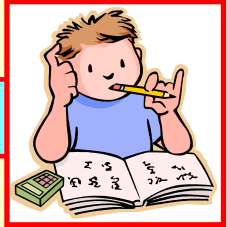
Expectations

1. Be on time and prepared when the bell rings to begin class.
2. Wait for permission before you speak.
3. Be respectful and considerate towards others.
4. Bring materials to class every day.
5. Stay in your assigned seat unless you have permission to do otherwise.

Consequences

Failure to follow these expectations will result in the following order of consequences:

- Warning (verbal or written)
- 15 minute detention and parent contact
- Referral to the office



Grading

Major Assessments (Tests, Projects, quizzes)	60%
Minor Assignments (Homework, worksheets, groupwork)	20%
Daily Grade (Warm Ups, classwork, participation, etc)	10%
Exam	10%

Grading Scale

The letter grade that is recorded on your report card is determined by the grading scale used by the school district:

90% to 100%	A
80% to 89%	B
70% to 79%	C
60% to 69%	D
59% or below	F

Retakes

You are allowed one retake of each test. You will have five days from the time the grade is recorded to request a retake. You must show that you have completed all of the daily assignments associated with that unit, as well as any remediation by the teacher. You will need to arrange transportation if the scheduled retake occurs after school. Retakes are typically only successful if you conference with me or make the effort to review the material prior to the retake. Midterm exams, final exams, and any culminating assignments will not be eligible for retakes.

Late Work

Assignments are expected to be turned in on time. Late work will be accepted; however, work that is not completed on time will hinder your learning process. Completing work when it is assigned will keep you on pace for learning the content necessary to be successful on the unit tests, which is the largest portion of your grade. Turning in late work near the end of the quarter will not significantly impact your grade. If you turn in an assignment late, you will receive a penalty of one letter grade relative to the grade earned on the assignment. This applies to both major and minor assignments.

Missing & Incomplete Work

You should make every attempt to complete assignments on time since they help prepare you for major assessments. You will be given five days to complete a missing assignment before it is recorded as a failing grade. If you are absent for a major assessment, I will record an "M" for the assessment until the assessment has been completed.

Exempting Exams

As a reward for student attendance and academic achievement, Westside High School will offer you the option to exempt the final exam in this course. You must have an A at the end of the semester to qualify for exam exemption. If you qualify to exempt the final exam, you are still strongly recommended to take it. If you get a grade that would hurt your average, it will not be factored into your final course grade. If you are exempt from the final exam, it will not exempt you from attending school that day.