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**Pre-Calculus**

**2018-2019 Academic Year**

**About the course:**

Precalculus covers topics necessary for success in calculus. A variety of topics, including trigonometry, is covered.

**Materials:**

* A place to keep and store notes
* A place to keep and store homework
* Graph paper
* A place to keep handouts
* Scientific or Graphing calculator
* Pencil or plain blue/black ink for homework
* Ruler/straightedge

Optional but greatly appreciated

* Box of tissues
* Clorox wipes
* Expo markers (not red, green, black, blue)

**Graphing Calculators:**

If you choose to get a graphing calculator, it should have the built-in capability to and be acceptable for the AP Calculus and AP Stats exam. Check the AP Calculus exam website for the most current list of calculators. LABEL YOUR CALCULATOR WITH YOUR NAME. *Please note: A graphing calculator is not required for this class.*

* Plot the graph of a function within an arbitrary viewing window.
* Find the zeroes of functions (solve equations numerically)
* Numerically calculate the derivative of a function
* Numerically calculate the value of a definite integral

**Homework/Classwork:**

Homework is for your practice and is not graded. However, there are homework quizzes.

**Quizzes/projects:**

Quizzes are sub-divided into three categories, and together count for 30% of the grade.

* Facts quizzes: 5 minute quizzes on basic concepts. They may be retaken up to 100%.
* Homework quizzes: covers homework problems that were assigned. You may use homework to complete these quizzes. They are timed. Homework quizzes may NOT be retaken.
* Projects are worksheets about particular topics. These are generally done during class in partners or small groups. You may ask questions as you go, but these may not be redone.

**Examinations:**

Exams typically take place after every two-three weeks.

**Attendance:**

The expectation is you are in class every day, on time, ready to participate. Attendance is not simply being in the classroom, but actively participating in the class through taking notes, asking questions, trying problems, and using class time wisely. **Please attend class regularly and be on time.**

**Academic Honesty:**

Students are expected to be honest. While working with others on homework is acceptable, copying homework is not. Penalties will apply to copied work and cheating.

**Grading:**

The basic grading breakdown, in terms of percentages, are as follows:

Quarter Grades:

* 30% quizzes/explorations
* 70% exams

Semester grades

* 40% quarter one
* 40% quarter two
* 20% final exam

**Technology**

Technology can be helpful to take notes. These are the technology guidelines:

* Technology is for individual, not group, use.
* Technology must be used for class work, not games or surfing the internet.
* You must be able to keep up with everyone else taking notes; I will not wait for you because you do not know how to use your technology.
* I must be able to see what you are doing. Do not change the screen or turn the screen away from me.
* If you do not follow the rules you may lose the privilege of using technology.
* You are not guaranteed a power source; your device should be charged.
* Cell phones are not allowed.

**Things to Note:**

1. **Take careful notes in class**! This way, if you struggle with a problem, you have another resource to go back to.
2. **Do your homework/classwork!** This helps you understand the material, and know what to ask when you don’t understand the material.
3. **Ask questions.** If you have a question about class material or assignments, ask me about it, either in or outside of class. You will have to take the first step—ask me, email, or stop by my office.
4. **Use class time wisely.** This is a great way to have resources if you run into trouble.

**Absences**

* ***Illness/unknown ahead of time***—It is best to make up the work as quickly as possible. In general, the number of days absent + 1 is the number of days to make up work.
* ***Field trips***—You are expected to turn in any work due on the day of the trip, as well as arrange to take any quizzes/exams before the field trip.
* ***Pre-Arranged*—**This is when you will be on vacation and have received approval from the office ahead of time. All work must be submitted within 48 hours of your return unless otherwise arranged.
* ***Unexcused***—Any work due on the day of an unexcused absence will receive a 0. Tests and quizzes will still be taken on the assigned dates when absences are unexcused.

I have read and understand the requirements for this class. Return to Miss Williams on Wednesday, September 5th, 2018. You will receive the syllabus back.

Student Name Parent Name

Student Signature Parent Signature