

ADVANCED PLACEMENT CALCULUS

Summer Assignment

Dear AP Calculus students,

I hope you are having a relaxing and enjoyable summer!

I am excited for another year of teaching AP Calculus and this course will be taught AP style and with the expectation that you will be taking the AP test in May. I am looking forward to exploring calculus with you and having a successful year!

Please email me at lschuler@powerscatholic.org if you have any questions.

Below is your summer assignment that should be completed to the best of your ability before the first full day of school. I understand that you will have questions, but I expect that you will have given all of the concepts some thought and reviewed them.

Your Chapter P test will be given the first full week of school.

Please bring a binder (my former students suggested a 2 inch binder) on the first full day of class (even if you will be using an iPad and Notability) because I will be giving you notes, pacing guides, a calendar, and several worksheets and practice tests, etc. during the school year. It will be helpful for all you to have a binder to reference those materials.

Here is what you should complete this summer:

1. Chapter P Notes

- Complete all sections (P.1, P.2, P.3, P.5)
- Use Khan Academy or other resources to get help on concepts that you may have forgotten (or use your precalculus notes)
- NOTE: We are skipping Section P.4

2. Catalog of Functions

- Memorize the function graphs shown in the catalog

3. Trig Formulas

- Memorize the trig formulas and identities

4. Unit Circle

- Familiarize yourself with the unit circle from precalculus
- Be able to find cosine and sine values in any quadrant using your hand or other method