

AP CALCULUS AB OPEN HOUSE

Ms. Danna Seigle, danna.seigle@henry.k12.ga.us, room 118

****Please SIGN IN to Open House by completing the SOCRATIVE Survey (see board)****

SUPPLY LIST:

- **3 ring binder** with at least (7) dividers
- **Pencils** (*all assignments must be completed in pencil; #2 pencils occasionally required*)
- **Loose leaf paper** (*college or wide ruled*)
- Wi-Fi Capable Device for **BYOT** (Bring Your Own Technology) *Optional but greatly encouraged*
- **Ear Buds** for watching/listening to instruction videos
- **Thumb Drive** or similar mobile storage device (does not have to be exclusive to this class)
- TI-Nspire CX Graphing Calculators will be available for in-class use. (*Students could greatly benefit from owning their own calculators, but consult Math Department and/or desired college before making an expensive purchase.*)
- **Additional options:** graphing paper, **tissue and hand sanitizer to donate for class**, dry erase markers

TOPICS COVERED:

August – December

Unit 1: Functions, Graphs, Limits & Continuity

Unit 2: Differential Calculus

Unit 3: Applications of Derivatives

January – May

Unit 4: Integral Calculus

Unit 5: Transcendental Functions

Unit 6: Applications of Integration

Unit 7: AP EXAM – Intensive Review

TEXTBOOK, AP EXAM, RESOURCES, and EXPECTATIONS:

Textbook: Calculus of a Single Variable, AP edition, 10th edition, Houghton Mifflin, 2015.....Replacement cost **TBD**

AP Exam: **Students are expected to take the AP Calculus AB Exam in May.** The cost will be around \$91, but subsidies may be available.

Resources: Students are encouraged to BYOT (bring their own wi-fi accessible technology) daily. *If your child does not have access to such technology, please let me know so that I may make other arrangements.*

Student Expectations: Calculus is likely to require a substantial investment of time. You should work on calculus every day, regardless of whether or not you have an assignment due. One of the best ways to learn anything is to explain it to someone else. Study groups are encouraged.

Parent Expectations: This is a challenging college-level course, and regular class attendance is essential; likewise, the student must do his or her homework consistently. It is the responsibility of the student to keep up with the presented material. It can become a “mission impossible” to try and makeup neglected work, regardless of the reasons, so please encourage your child to seek help promptly should s/he encounter difficulties. Additionally, students should plan to participate in afterschool practice sessions whenever possible. Some other activities may need to be curtailed in order to make room for calculus during this time.

SIGNING UP FOR REMIND (formerly known as Remind101)

- To receive REMIND messages via TEXT, text @seigle4 to **81010**
- To receive REMIND messages via EMAIL, send an email to **seigle4@mail.remind.com**