**Ripon High School**

**Mr. Vigil**

**Welcome to AP Calculus AB!!!**

Calculus AB is designed to develop the understanding of the concepts of calculus and provide experience with its methods and applications. The course represents a multi-representational approach to calculus, with concepts, results and problems expressed geometrically, numerically, analytically and verbally. The connections among these representations are important.

Broad concepts and widely applicable methods are emphasized. The focus of the course is neither manipulation nor memorization of an extensive taxonomy of functions, curves, theorems or problem types. Technology should be used regularly to reinforce the relationships among multiple representations of functions, to confirm written work, to implement experimentation and to assist in interpreting results.

Through the use of unifying themes of derivatives, integrals, limits, approximation, and applications and modeling, the course becomes a cohesive whole rather than a collection of unrelated topics. These themes are developed using all functions from Pre-Calculus, such as those that are linear, polynomial, rational, exponential, logarithmic, trigonometric, inverse trigonometric and piecewise defined.

**Supply List:**

I am excited and looking forward to working with you and your student during the upcoming school year. Some students like to have their own supplies and of course, donations are more than welcomed and always appreciated! With your support and help, we can make this year a success!

Here is a list of items that students will be using:

* 3 ring binder
* Ruler
* Compass
* Notebook
* Dry erase maker
* Paper and pencil
* Scientific calculator (Graphing calculators are extremely helpful)

Here is a wish list for the class:

* Paper
* Pencils
* Dry erase makers
* Tissues
* Hand sanitizer

**Agreements (Rules):**

* Show respect to others.
* Come prepared for class and ready to work.
* Follow the school wide discipline, attendance and tardy policies.
* Do not bring electronics to class.
* Strive for success

**Consequences:** If a student chooses to break our agreement or disrupt the class in any way, the student may:

* Receive a warning
* Have detention assigned
* Have their parent/guardian contacted
* Be sent to the assistant principal or counselor.

Severe disruptions will result in an immediate suspension from the class to the office.

**Homework:** homework will be assign 3 to 5 times per week; it will be graded on completion and accuracy. **You must show all work to receive full credit**. Completing homework is not optional; it is a requirement for success in math. **Late work:** if a student misses an assignment due to illness or other valid reason, he/she will be allowed an equal number of days for which to make up the assignment. No late work will be accepted without a valid excuse.

**Test/Quiz make-ups**: I do not give test/quiz make ups, if you study the first time, you should have no problems passing my test/quizzes. If a student is absent the day of a test/quiz, he/she will be allowed to make up the test/quiz after school or during lunch. If the student does not make up the test/quiz by the appropriate time, he/she will receive a grade of zero.

**Academic Dishonesty:** I have a zero tolerance for academic dishonesty; if you decide to be dishonest, you will be given an office referral and receive a ZERO on the assignment.

**Grades:** Grades are based on homework, test, quizzes, projects and class participation. Grades are posted periodically, usually after each test. Students should always know their math grade. The grades are as follows:

 A = 90 – 100% C = 70 – 79% F = 59% and bellow.

 B = 80 – 89% D = 60 – 69%

**Extra Help**: Help is available to all students almost every day after school or during lunch. I only ask students to let me know ahead of time in case I already have prior arrangement. **There is no reason not to get help when it is needed.**

If parents would like to talk to me, please call the school or email me at mvigil@sjcoe.net

 Have a successful and enjoyable school year!

 Mr. Vigil

Adjustments may be made at any time to meet student/classroom needs.

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Student Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Period: \_\_\_\_

Student Signature: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date: \_\_\_\_\_\_\_\_\_\_\_

Parent/Guardian Signature: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date: \_\_\_\_\_\_\_\_\_\_\_