

## *Mathematics Department Course Syllabus*

**Course:** *Accelerated Pre-Calculus B/AP Calculus AB A*

### **Course Description**

The first semester will cover the second semester topics of a traditional Pre-Calculus class. The topics focus on work with trigonometric functions, vectors, limits, continuity, and derivatives. The second semester (which is weighted) will be AP Calculus A which includes: curve sketching, related rates, optimization, integration, area, volume, inverses, and motion. Students in this class will take AP Calculus BC next year or if they are in the IB program, they may go to IB Math SL as a senior.

### **Student Expectations**

Students are expected to adhere to all TVUSD behavior policies.

### **Grading**

Grades will be based on a combination of tests, quizzes, in class assignments, and homework. Grades will be calculated using weighted categories: Tests = 80%; Quizzes = 10%; and Homework = 10%. The following grading scale will be used to determine letter grades:

88-100% ...A 76-87%...B 65-75%...C below 65%...F

*The final exam will count as 15% of your grade.*

### **Communicating Student Progress:**

**Every 1-2 weeks an updated grade will be posted on Ms. Lira's school website.** Parents and students will be required to check grades on a regular basis to ensure student success. **After each unit test, students must turn in a parent-signed grade report for homework credit.** If printing is an issue, Ms. Lira can print a report for the student to take home. To check grades, Infinite Campus will have a Parent Portal (which may not be accessible until September). Please email me with any concerns at [alira@tvusd.k12.ca.us](mailto:alira@tvusd.k12.ca.us).

### **Re-Tests**

If you score below an A (88%), you will have the opportunity to retake the test under the following guidelines:

- a) It has to be within two weeks or before the next test.
- b) All homework for the unit must be turned in.
- c) You must attend at least 2 periods of intervention prior to retaking the test to show that you are ready for the retest.
- d) Retakes are given on schedule **Friday mornings at 6:30am.**

The maximum score on a retest is a B (87%) or your homework percentage, whichever is lower.

### **Homework**

There is an assignment sheet for each unit. Homework will be checked each day it is assigned or collected at the time of an assessment.