**Senior Math / Pre-Calculus**

Instructor: Mr. Vockrodt

Contact Information: [Brandon.Vockrodt@k12.sd.us](mailto:Brandon.Vockrodt@k12.sd.us)

**Course Description:**

This course provides a more in depth look at specific Algebra and Pre-Calculus topics during a year-long course. Students will gain insightful tools that will not only increase students’ content knowledge but also expand students’ application of mathematical properties beyond the classroom.

**Materials for Class:**

Students will be required to bring the following items to class each day unless told otherwise from the teacher: ***textbook, student planner, notebook/binder with loose leaf paper, calculator, correcting pen and pencils.***

**Class Objectives:**

Students will be able to discuss, interpret and model complex mathematical properties.

Students will apply numerical, algebraic, and graphical strategies to find solutions to a variety of problems.

Students will hone Algebraic skills learned in Algebra 1 and develop news skills related to more advanced topics including Rational Expressions, Logarithmic and Exponential Functions, and Trigonometric Functions.

**Opportunities for Help:**

Before School (7:45 – 8:17)

Planning Period (6th Period 12:59 – 1:49)

Study Hall (7th Period 1:51- 2:41)

After School (3:33 – 4:15) Except on Fridays

**Grading Criteria:**

Tests: 40%

Quizzes: 30%

Worksheets/Mini Quizzes: 20%

Daily Work: 10%

**Tests and Quizzes:** (70% of Total Grade)

Each chapter will contain a set of quizzes spread throughout the chapter to gauge the students’ progress in the chapter. A chapter test will be given after each chapter. The test will cover the material and standards associated in the chapter. Students will have an opportunity to make test and quiz corrections once the tests have been graded for partial credit. Test and Quiz corrections are done by the individual student with no help from other students. The corrections will be done on a separate sheet of paper and handed back in with the test or quiz.

**Worksheets/Mini Quizzes:** (20% of Total Grade)

After every two lessons students will be given a worksheet covering the material covered in the lessons. The worksheet will be worked on in class by each individual student and will be an evaluate of the students’ knowledge of the material. The points for each worksheet will determined based upon the type and number of questions on the worksheet. Students will show all their work on the worksheets to receive any credit. No corrections will be made on the worksheet and the grade will be taken and entered in the gradebook after Mr. Vockrodt grades them.

**Daily Points:** (10% of Total Grade)

All homework assignments should have your first and last name, the class name/period, the assignment, and the date written in the upper right-hand corner of the paper. Assignments will not be graded until the proper heading is written on the assignment. Homework assignments will be graded on completion and will be due the next school day unless otherwise stated. Students will be put on ICU if the homework is not completed by the due date. Even though the homework will be graded on completion, each student should put forth their best effort on each and every problem. Mr. Vockrodt is available for questions on the homework and students may ask fellow classmates for assistance. At the beginning of each class, students will complete a problem or set of problems that review past concepts that will prepare the students for the current lesson. The students will receive 25 points a week as part of a daily points grade. 5 points will cover the daily problem for each day of the week, which the students will turn in at the end of the week.