2021-2022 COURSE SYLLABUS

Math III

Instructor:
Name: Mr. Ruben Griffin
Email: : Ruben-Griffin@scusd.edu
Phone: (916) 395-5090
Classroom: T14

Textbook:
Common Core State Standards, Mathematics I, Integrated Pathway. Walch.

Supplemental Resources:
http://www.khanacademy.org/; Desmos; Etc.

Course Description:

Integrated Mathematics III continues students' study of topics from algebra, geometry, and statistics in a problem-centered, connected approach. Functions and algebraic representations of geometric concepts are the principle topics of study. Students will be expected to describe and translate among graphic, algebraic, numeric, tabular, and verbal representations of relationships and use those representations to solve problems. The new Common Core high school standards call on students to practice applying mathematical ways of thinking to real world issues, prepare students to think and reason mathematically, and emphasize mathematical modeling.

(Two semesters; 5 units each semester; 10 units total)

Topic Outline/Course Objectives:

This program includes all the topics addressed in the CCSS Integrated Pathway: Mathematics III content map. These include:

- Using the Normal Curve in Statistics. Population versus Random Sampling. Binomial Distribution
- Using Polynomial Structures. Adding/Subtracting/Multiplying/Graphing Polynomials
- Using Rational Expression Structures. Adding/Subtracting/Multiplying/Dividing Rational Expressions
- Using the Unit Circle. Applying the Law of Sine and the Law of Cosine
- Using Common Logarithms and Natural Logarithm
- Using Mathematical Modeling. Creating Equations. Interpreting Graphs

Recommended Material:
Paper
Pencils
Eraser(s)
Scientific calculator
Those students who cannot provide their own calculator will be instructed on how to use free online calculators to perform calculations at home and will be loaned calculators for in-class use.

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Additional Support:

Tutoring will be available from me by appointment. I am also usually available before classes start and immediately after classes end.

Final Exams:

At the end of each semester students will participate in a final exam/project to demonstrate overall content knowledge acquired during that semester.

Grading Policy:

Students earn grades. Grades are based on demonstrated mastery of concepts and development of skills, not effort or potential. Student progress will be available on the District Web site in Infinite Campus, it is expected that students and parents to use the District Web site.

The following percentage scale will be used in determining grades:

89.5%-100%	A
79.5%-89.4%	B
69.5%-79.4%	C
59.5%-69.4%	D
0%-59.4%	F

Grading Categories:

The overall course grade will be based on the following percentage distribution.

80% Assessments
20% Assignments

* Note: You must show your work to receive full credit
**Note: Extra credit will not exceed 2% of the grade in the assignments category.

Late Work Policy:

Assignments submitted after the posted due date are will only be accepted if the absence is excused through the attendance office (i.e. in Infinite Campus).The late work is also subject to a point deduction not exceeding 50%, the later you turn it in, the less points you can receive.

Missed Assessment Policy:

If a live assessment is missed due to unpreventable circumstances it is the student's responsibility to contact the teacher as soon as they know they will/have missed the assessment in order to discuss any possible make-up opportunities.

Plagiarism Policy:

Any instances of plagiarism will result in a score of zero. I encourage collaboration on many assignments but I expect the work you hand in (assignments, assessments, projects, etc.) to be your own.

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Academic Expectations:

CLASSROOM (ZOOM) BEHAVIOR EXPECTATIONS:
The following summarize important expectations for classroom behavior. Students are expected to:
• attend all scheduled class.
• complete all assignments on time.
• actively and positively participate in class.
• demonstrate personal responsibility, honesty, and integrity in all of their actions.

CLASSROOM (ZOOM) RULES:
The following few rules guide classroom behavior and activity
- follow teacher directions and requests immediately
- mute your microphone when not asking or answering a question
- use the "hand up" emoji when you have a question, or unmute microphone to speak
- use the "chat" feature to ask and answer class related topics
- failure to follow the classroom rules will result in removal from the meeting, parents/guardians will be notified

CHARACTERISTICS OF QUALITY WORK:
Using the following guidelines will help you master the Integrated Mathematics I objectives. Quality work has the following characteristics.
- Is complete with full solution. That is, all problems are completed or at least attempted.
- The supporting work for each problem is shown completely using proper algebraic conventions and notations.
- The work is done neatly.
- The work is done accurately.

CHARACTERISTICS OF A SUCCESSFUL STUDENT:
Students that are successful in school generally exhibit the following traits:
- Is consistently present for class in body and spirit.
- Desires to learn the material presented.
- Learns how to learn (Know thyself)
- Never stops learning
- Uses time wisely.

PLEASE ACCESS THE GOOGLE FORM TO ELECTRONICALLY SIGN THAT YOU HAVE READ AND UNDERSTAND THE CONTENTS OF THE SYLLABUS.