JOHN F. KENNEDY HIGH SCHOOL
6715 GLORIA DRIVE SACRAMENTO CA 95831
JFK.SCUSD.EDU
916.395.5090
HOME OF THE COUGARS

2020-2021 Course Syllabus

Integrated Mathematics 2 (Two semesters; 5 units each semester; 10 units total). Math 2 continues students' study of topics from algebra, geometry, and statistics by using real-world situations and finding mathematical connections and solutions. Students will apply multiple forms of mathematical relationships to approach exercises in different ways. These include graphic, algebraic, numeric, tabular, and verbal representations of relationships. The new Common Core State Standards (CCSS) 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.

This program includes the most critical topics addressed in the CCSS Integrated Pathway: Mathematics 2 content map. Because of the pandemic, the list of topics has been prioritized to focus on what helps students most effectively continue their growth in mathematics.

- Extend the laws of exponents to rational exponents
- Compare key characteristics of quadratic functions with those of linear and exponential functions
- Create and solve equations and inequalities involving linear, exponential, and quadratic expressions
- Extend work with probability
- Establish criteria for similarity of triangles based on dilations and proportional reasoning

Teacher: Vicki Feliz-Smith (Room B-14)
Email: vicki-feliz-smith@scusd.edu
Google Voice (Text): (916)399-3142
Website: Ms. Feliz's Math Page

Textbook: Common Core State Standards, Mathematics II, Integrated Pathway Walch
To access the textbook, sign on to Clever.com using student's school account. Log in with Google. Click the icon that says Curriculum Engine. Find the text for Math 2. Math 2. Workbooks will be distributed at JFK.

Curriculum Engine

Required Materials:

Notebook or binder with paper to do your work and to keep it organized.

Graph paper templates will be available on Google Classroom.

Straightedge for drawing straight lines.

Scientific Calculator which can be on a phone or downloaded free, but it is a small investment.

Pencils for writing your work. Colored pencils or pens are nice too, but not required.

Computer because all your work will be submitted on Google Classroom.

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Grading Policy: Grades are based on mastery, which will be determined by assessments, both written and oral, formative and summative. Regular practice will help students perfect the skills needed to master concepts. Participation in class is the most recommended, but if that is not possible, students are expected to communicate with the teacher as soon as possible. Progressing grade reports are available on scusd.edu in Infinite Campus, but assignment submission will be through Google Classroom. The math department complies with district protocol, viewable at scusd.edu.

GRADING SCALE

89.5 to 100%	A
79.5 to < 89.5%	B
69.5 to < 79.5%	C
59.5 to < 69.5%	D
0 to < 59.5%	F

Category grades are weighted below:
50% Assessments (Tests, Quizzes, Recorded Oral Presentations, and some Projects)
40% Assignments (Practice, some Projects, Class Activities, Warm-ups, and Exit Slips)
10% Participation (Interacting during online class in either real time or viewing pre-recorded lessons)

LATE SUBMISSION OR RESUBMISSION: It is the student's responsibility to find out what assignments, activities, and notes were missed and make up that work promptly. There is no penalty for late submission of resubmission if it is completed within two weeks of assignment due date. After that time, no more than 50% of the grade can be given for work that is seriously attempted.

Course Objectives :
Students will acquire and demonstrate knowledge of the concepts, definitions and properties required to meet the Integrated Mathematics 2 standards. Students will develop critical thinking and decision-making skills by connecting concepts to practical applications needed to be productive members of society. All students are expected to demonstrate the following objectives:

- Students should be able to work with functions represented in a variety of ways: graphical, numerical, analytical, or verbal.
- Students should understand the connections among these representations.
- Students should be able to communicate mathematics both orally and in well-written sentences and should be able to explain solutions to problems.
- Students should be able to model a written description of a physical situation with a function.
- Students should be able to handle a faster and more rigorous curriculum with an expectation of higher-level thinking.
- Students should be able to use technology (scientific calculators and graphing software) to help solve problems, experiment, interpret results, and verify conclusions.
- Students should be able to determine the validity of solutions, including sign, size, relative accuracy, and units of measurement.

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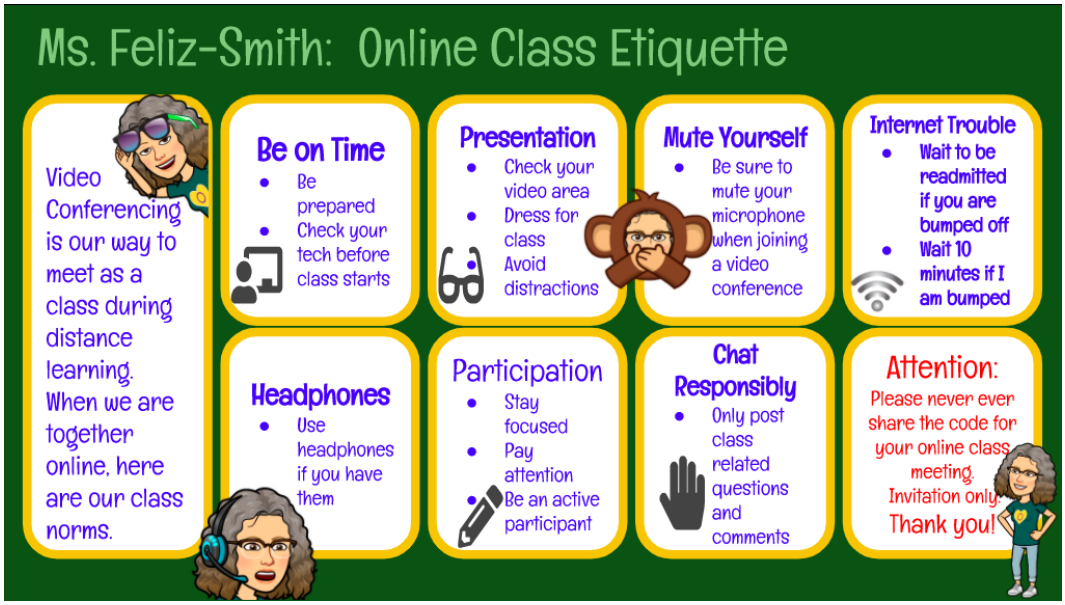
Academic Expectations:

- Attendance – Online conferencing will be scheduled for class times. Please do your best to attend or contact Ms. Feliz to make other arrangements.
- Work Ethic – You may need to work both individually and with a group and participate enthusiastically and constructively.
- Prepare for class- Do all assigned work on time for upcoming class discussions and activities. Also, check your tech, appearance, and background for being in virtual class.

Academic Dishonesty: Academic dishonesty is considered a serious offense in any class. Students cheating will receive a zero grade for that assignment. I encourage collaboration on all practice assignments but I expect the work you submit (assignments, projects, exam/quiz, etc.) to be your own.

Behavioral Expectations (See JFK Student Handbook for details.):

Online Classroom Rules: Just as in a real classroom, a virtual classroom must have standards of behavior in order to have the best environment for learning and socializing. Please review the practices outlined in the graphic. More information about virtual classroom environment can be found on Distance Learning (Ms. Feliz's Math Page).



ELECTRONIC DEVICES: Please do not listen to music, play games, snap photos, or text while you are video conferencing with your class. You need to remove distractions, and that means putting away your phone. I will also put away my phone and give you all my attention.

Extra Help: There will be online conferencing scheduled for your particular class.