

John F Kennedy High School

Course Syllabus

Department of: Mathematics Course Title: Math 1 Course Code: Math 1

Teacher: Burke E-Mail Address: burket@sac-city.k12.ca.us

Availability: Before school & after school by appt Phone Number: (916) 395-5090 Ext. 506402 or
916- 837-8379 (cell)

Semester: 1 and 2 School Year: 2016-2017

Course Description

This course uses the basic language and patterns of reasoning used in most branches of mathematics. Students use the basic algebraic concepts of literal symbols, signed numbers, formulas, polynomial functions, rational expressions, graphs, equations, and inequalities. Algebra provides mathematical experiences as well as background necessary for further high school mathematics courses. **Credits may be used toward Math 1 graduation requirement. Differentiated curriculum is used for the benefit of students.**

Course Outcomes

To demonstrate proficiency with mathematics, students must learn to translate real-life situation to mathematical models and obtain solutions algebraically. This course will provide a solid foundation for further study in mathematics by helping students develop computational, procedural, and problem-solving skills. Upon completion of the Algebra 1 course, students will be able to:

- Combine Like Terms
- Solve equations
- Solve inequalities
- Generate two-dimensional graphs
- Recognize patterns and make reasonable conclusions
- Solve Systems of Equations
- Use mathematical structures to solve application problems
- Interpret data both graphically and algebraically
- Simplify algebraic and numerical expressions
- Solve quadratic equations and polynomials

Required Textbooks and Other Reading

Bellman, Bragg, et al., *California Algebra I*, Pearson Prentice Hall, 2009 (ISBN 0-13-203128-0)

Materials Required

- # 2 Pencils
- Eraser
- College-Rule lined paper
- 3-Ring Binder with dividers
- Whiteboard Markers and Whiteboard Eraser
- calculator

Grading Policy

Weighting		Scale (%)
65%**	Tests	90 -100 = A
25%	Homework/Quizzes/Projects	80 -89 = B
10%	Participation (warm-ups, exit passes, behavior, etc.)	70-79 = C
** Note: Chapter Tests (5)		60-69=D
	Midterm	Below 60 = F
	Final	Students must pass the <u>Algebra End of Course exam</u> achieving a minimum score of 28/40 points in order to pass this class.

Important Assignments, Activities, or Projects

Semester 1:	Semester 2:
- Midterm (Nov 10)	- Midterm
- Final (Jan 25-26)	- Final / End of Course Exam
- Chapter Tests	- Chapter Tests
	- CAHSEE (March 13-14)
	- CST (STAR)

Assessment, Participation, and Attendance Policies

School attendance policies must be followed precisely and you may find them in the student handbook. If you have an excused absence, you are responsible to turn in the work on an agreed upon due date. You must take the initiative to approach the teacher and make an appointment to set this due date and then you must follow through on your agreement. Unexcused late work will count for half credit. If you have been suspended, it is the teacher's right to decide whether to give you the work you have missed. You will be expected to make an appointment. Do not approach me before class to ask what you missed. If you are tardy, you must report to this room for lunch detention within two days. Your attendance will be an important component in passing this class.

Class Rules

Adhere to all school rules as stated in the student handbook.
One person talks at a time unless we are doing group work .
Be on time and prepared to work.
Do not disrupt the learning of others.
Respect your colleagues, the environment, and your ability to achieve excellence!!!

ADDITIONAL NOTES

IMPORTANT! Students who do not pass the End of Course Exam, you will receive an "F" for your 2nd semester grade!

I recommend that all students in this class block 1 hour a day for homework to assure that they will experience success in Algebra.

For individual practice students may practice Algebra skills using worksheets from www.kuta.com

IT IS RECOMMENDED THAT ALL STUDENTS USE THE ALGEBRA VIDEO TUTOR:
<http://www.phschool.com/webcodes10/index.cfm?fuseaction=home.gotoWebCode&wcprefix=ate&wcsuffix=0775>

In order to pass Algebra 1 it is important for all students to complete work in class, complete assigned homework and pass the SCUSD Algebra End of Course exam with at least 28/40 points. I am available to offer extra tutoring to all students. Please call me or send an email and we can schedule appointments.

We have read the course syllabus and we understand the class expectations to pass this course.
I (print name) _____ will keep this course syllabus in my binder.

Student Signature:

Parent/Guardian Name *(please print)*:

Parent/Guardian Signature: