John F Kennedy High School
Course Syllabus Math II

Department of: **Mathematics**   **Course Title: Math II**/Geometry
Teacher: Burke   **E-Mail Address:** burket@sac-city.k12.ca.us
Availability: daily during class and by appointment.

Phone Number: (916) 395-5090 Ext. 506402

Video
tutor: http://www.phschool.com/webcodes10/index.cfm?fuseaction=home.gotoWebCode&wcprefix=aue&wcsuffix=0775

Semester: 1 and 2 School Year: 2016-2017

Course Description

   Students must have successfully completed Math I/Algebra 1 before they begin Math II/Geometry. However, although Math I /Algebra is used in solving some problems in this course, Math II /Geometry is a completely different type of mathematics. All units will include learning about the properties of geometric objects such as lines, polygons, circles and 3-dimensional objects and the theorems and formulae that help solve problems relating to these objects. These properties, formulae and theorems will then be used to solve increasingly complex problems. Although each unit will focus on particular shapes, such as right triangles or circles, a single problem could contain concepts from all previously studied units rather than a being limited to a single geometric object. Reasoning will be studied as a separate unit and then used in all problem solving and proofs.
   The focus will be on solving problems visually and justifying solutions in a logical and step-wise manner. In addition, students will be learning how to perform simple geometric constructions using pencil, compass and straightedge.
Students will be required to master a set of skills based on the California Geometry standards. *Differentiated curriculum is offered for this class.*

Course Outcomes

This course is designed to provide the following outcomes:
*Increase levels of visual problem solving

*Increase abilities in setting up and solving real-world math problems

*Increase ability to reason and to justify outcomes

*Increase knowledge of math and English vocabulary

*Increase ability to read, write, speak and listen in English

*Increase student performance on high stakes tests for high school or college.

Required Materials
*Text: Geometry, Mc Dougal Littel, 2004
*Binder Paper
*Required Textbooks and Other Resources
* #2 pencils
* Eraser
*Compass
*Calculator

Grading Policy

The course has a 2-tiered grading system. The first tier determines if a student passes or fails. The second tier evaluates student proficiency in Geometry. The first tier is the Skills Checklist. A student's passing of the course (with a D) is guaranteed by mastery of 23 skills out of 33 for 1st semester, and 21 out of 31 in the 2nd semester. Mastering skills ensures that the student will pass with a D.

The second tier is an overall performance grade. Grades higher than D are based on a weighted point system with Tests comprising 30% of the grade, Quizzes, 30%, Warm Ups 10%, Class work 10%, Homework, 10% and Participation 10%.

The **grading scale** is as follows:
A = 90 – 100%
B = 80 – 89%
C = 70 – 79%
D = 60 – 69%
F = 59% and below

Important Assignments

Warm Ups   Daily
Quizzes   Every week
Homework   Daily
Unit 1 Test October 11th 2016

Assessment, Participation and Attendance

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 for turning in the work within two school days of your absence.

If you have trouble completing the assignments by yourself, get assistance from me during office hours, in your tutoring class or from another student without delay. You must take the initiative to approach the teacher or another tutor and make an appointment to get help completing your assignment. 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 accept the work you make up. 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.
*Respect your colleagues, the environment, and your ability to achieve excellence!!!

ADDITIONAL NOTES

Math II / Geometry is a new way of studying math. At the beginning, this is often a challenge for students. It is highly recommended that you sign up immediately for a tutoring class to get help with your homework, especially if math has been a struggle for you in previous grades. Make sure to get any additional help you need without delay or you will quickly fall behind. Do not be afraid to ask for help.

The most successful students are the ones who have initial challenges but do not give up trying to understand. Persevere and you will succeed. I am here to help you in any way I can. Geometry is also a new language. Most of the vocabulary is new. You will need to study this new vocabulary each day. Many students cannot solve a geometry problem because they don't remember the meanings of the geometric terms.

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We have read the Math II / GEOMETRY 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: _____

Contact Telephone number: _____

Email address: _____

Best Time & Day to be reached: _____

Parent/ Guardian Questions: _____