A.R. Johnson Health Science and Engineering Magnet School
Pre-AP Geometry with Statistics Course Syllabus - Periods: 1, 2, 3, 6, and 7
Mr. C. Safford - ROOM 805

Personal Information
Education: Bachelor's of Science from Shaw University: Mathematics major / Computer Information Systems minor
Masters of Arts in Teaching: Secondary Mathematics from Augusta University
Specialist in Education Teaching and Learning from Augusta University
Certification: Mathematics Education 6-12
Experience: Teaching Math in Richmond County for 13.5 years / 3rd year at A. R. Johnson
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Pre-AP Geometry with Statistics is designed to provide students with a meaningful conceptual bridge between algebra and geometry to deepen their understanding of mathematics. Students often struggle to see the connections among their mathematics courses. In this course, students are expected to use the mathematical knowledge and skills they have developed previously to problem solve across the domains of algebra, geometry, and statistics. Rather than seeking to cover all topics traditionally included in a standard geometry or introductory statistics textbook, this course focuses on the foundational geometric and statistical knowledge and skills that matter most for college and career readiness.

The Pre-AP Geometry with Statistics Course Framework highlights how to guide students to connect core ideas within and across the units of the course, promoting a coherent understanding of measurement. The components of this course have been crafted to prepare not only the next generation of mathematicians, scientists, programmers, statisticians, and engineers, but also a broader base of mathematically informed citizens who are well equipped to respond to the array of mathematics-related issues that impact our lives at the personal, local, and global levels.

The following academic concepts will be covered. **THIS IS ONLY A GUIDE AND IS SUBJECT TO CHANGE**
Instructional Objectives for this year include, but are not limited to, the following**:**

Topics of study include:
➢ Unit 1 - Measurement in Data
➢ Unit 2 - Tools and Techniques of Geometric Measurement
➢ Unit 3 - Measurement in Congruent and Similar Figures
➢ Unit 4 - Measurement in Two and Three Dimensions
➢ Unit 5 - Pre-Calculus preview

Students will be able to:
☐ Make sense of problems and persevere in solving them.
☐ Reason abstractly and quantitatively.
☐ Construct viable arguments and critique the reasoning of others.
☐ Model with Mathematics
☐ Use appropriate tools strategically.
☐ Attend to precision.
☐ Look for and make use of structure.
☐ Look for and express regularity in repeated reasoning.

General Information
- Mathematics is not a spectator sport! A large portion of what we will do in this class will take place in the classroom and you will be expected to participate.
- The overriding expectation in the class is **respect:** respect for you, respect for other students, respect for the teacher, respect for the school, and respect for any guests we may have in our class.
- Everyone should be in his/her seat and ready to work when the class starts. This means getting materials, using the restroom, sharpening pencils, and socializing should be completed before class begins. You will not be permitted to retrieve forgotten materials during class time.
- Keep the noise level down when working in groups. As a general rule, speak so that only those in your group can hear.

Homework – Homework is normally assigned every day. Homework is to be completed as assigned with an honest effort made. While collaboration and obtaining help from peers is openly encouraged, collaboration is not the same as copying. Homework is assigned for the purpose of establishing what you learned in class. The material covered in class cannot be learned and retained without your practicing it. Homework will be assessed on whether there is genuine effort put forth to complete it. Even if you do not get an answer, let alone a correct answer, you can still earn full credit for every assignment by putting forth the effort and showing evidence of work done to complete the assignments. To get credit for your homework, you must write down and attempt

every problem. Each student will begin each 9-weeks with a homework grade of 100. Anytime homework is not done, 3 points will be subtracted from that grade. Correct any wrong answers when the homework is discussed in class.

Grading Policy -- Grades are posted in infinite campus. ***Grades will be determined based on the following percentages:***
- 50%   **SUMMATIVE** (Unit Tests, Projects, etc.)
- 30%   **FORMATIVE** (Weekly Quizzes, Smaller Assessments, etc.)
- 15%   **Daily GRADES** (Class work, Online Assignments, etc.)
- 5%   Homework

Grade Recovery: Late Class and Online will be accepted with a penalty

The Final Exam is 20% of your overall grade. In order to exempt the exam you must have 5 or fewer absences and a 90 or above average.

Supplies
- **Required: Loose leaf Paper**, Ruler/Straightedge, **Pencils** with erasers, a **3-inch 3 Ring Binder** (just for math), Graph Paper, Colored Pencils, Compass, Highlighters, dividers, and a graphing calculator (preferably a Texas Instruments TI-84)

I am also asking that each student bring in the following to **donate** for class use: 1 ream of copy paper (white or colored), 1 - 8 oz. bottle of hand sanitizer; and 1- box of tissue

Class Participation – Students are expected to participate in class each day. Participating means being in class for the entire class period, listening to instructions and explanations for class work, completing classroom tasks, asking questions when necessary, answering questions when asked, cooperating and following classroom policies. Essentially, class participation is doing your best to learn and help others learn while allowing the teacher to teach.

Attendance and Tardiness Procedures
- Students are expected to be in class on time. Class begins immediately and students should be in their seats prepared to work. Students who are late to class will be marked tardy. The tardy policy of the school will be followed in this class.
- Students who are aware of a future absence are responsible for notifying the teacher prior to their absence.

Passes will be issued on a limited basis according to school rules. Excessive requests for passes from class will be denied.

Class Absences
- Students must make up work in a timely fashion (according to school policy). It is the responsibility of the student to find out what was missed.
- **Missed Tests**: Tests assigned before your absence and given on the day of your absence must be made up on the day you return, after school at 3:25. If you are present when a test is assigned and you only miss the day we review, you will be required to take the test on the scheduled day.

Extra Help will be available after school Wednesdays & Thursdays from 3:25-4:00. Let's work together so that we can have a successful year while increasing our math power!

Please send me an email with your child's name and class period on the subject line to inform me that you have read over my course syllabus. Please include the following in the text: Student Name; Parent Name; Parent Phone Number; Alternative Parent Phone Number(s); and Parents Email address.

To receive messages via text through **Remind.com:**
Scan the QR Code OR text message @mrsaffo to the number 81010 **or** to receive messages via email, go to on a desktop computer to sign up for email notifications. Please put your student's name in your name id. (I.e. Jon Doe – Jon Doe, Jr.)