Ms Guarnaccia

Mathematics Teacher

929-264-7372

guarnacciabeca@gmail.com

September 7th, 2017

**Common Core Geometry**

This is a three trimester Regents class preparing you to take the Common Core Geometry Regents in June 2017. We will be covering the following Geometry content topics over the year.

* Tools of Geometry
* Proofs
* Congruence
* Similarity
* Trigonometry
* Transformations
* Surface Area & Volume
* Circles

These topics are not only critical to master in order to excel on the Regents – they will also build the skill of logical thinking, more so than previous years. To gain the most from this class, the Common Core State Standards for mathematical practices –i.e. habits of mind-are equally as important as the content you learn.

**Common Core Standards for Mathematical Practices**

* Make use 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

**Materials:** You are responsible for bringing these materials to class every day

* Lined, 3-holed paper
* One folder to hold all handouts received in class – exclusively for math
* Composition notebook – exclusively for math
* Pencils, pen, eraser
* Compass and straightedge
* Graphing Calculator

**Textbook and Workbook:** *Pearson Geometry Common Core*

**Grading:** There are 2 marking periods each trimester, with the following categorical breakdowns:

**Participation / Classwork** 25%

**Homework** 15%

**Projects** 25%

**Tests / Quizzes** 35%

|  |  |
| --- | --- |
| 100 | On time and in uniform |
| 75 | Late |
| 50 | Out of uniform |
| 25 | Out of uniform **AND** Late |
| 0 | Absent |

**Weekly Participation:** You will receive a daily participation grade according to the following chart. Your weekly participation will be an average of all the grades you receive for the week.

Lateness is defined as entering the classroom after the door has been closed (three minutes into the period). In uniform means a BECA polo, navy t-shirt or polo, and khakis. A BECA hoodie may be worn as well. Attendance for every day of instruction is important for passing the Regents, and although you cannot make up those participation points, you may be able to make up homework from days you were absent.

**Homework:** All homework assignments are expected to be placed in the homework bin at the beginning of class, I will not come around to collect it for you. Students lose 10% off the original homework grade for every day that it is late. This means that for perfect assignments that are 2 days late, the maximum score is an 80%. Homework assignments from each unit will **not** be collected after the date of the unit test.

**Projects:** All projects are expected to be handed in on the due date, with plenty of notice and time in class to work on them. Late projects will be accepted with the following penalty.

* + - 7 points for one day late
  + -15 points for two days late
  + Final grade of 0 past two days late

**Tests/Quizzes:** Quizzes will be given weekly or biweekly. Tests will be at the end of each unit.

**Homework Assignment #1: Due Monday September 11th (10 points)***Give this math syllabus to your parent or guardian to read and review. Once they have read and signed the syllabus, rip this page off and bring back to Ms. Guarnaccia*

**Calculator Policy:**

It is required for **every** student at BECA to have a graphing calculator for the 2017-2018 school year. Students must use a graphing calculator on tests, quizzes, and have access to it at home to do homework. Graphing calculators will not be given out by the teacher.

Please check the box for the option you are choosing to provide your child with a calculator:

* My child already owns a graphing calculator. The model is:   
    
  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
* I will buy my child a graphing calculator   
  – Recommended Model: Casio fx-9750gii for $50 at Staples
* I will borrow a Casio fx-9750gii graphing calculator from the school for a refundable deposit of $20 (if so, please sign the calculator contract and give your child $20 to give to the school)
* I am unable to afford either of the first three options and need to speak to someone at the school for assistance in borrowing a graphing calculator for the year.

Student Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Parent/Guardian Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Parent/Guardian Contact Info:

* Email: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
* Phone Number: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Parent/Guardian Signature: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date: \_\_\_\_\_\_\_\_\_\_\_\_

**Student Graphing Calculator Deposit Contract**

I, \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_, (print student’s name) agree to the terms below in order to borrow one of Bronx Early College Academy’s **CASIO *fx-9750GII*** calculators touse for the 2016-2017 school:

* **A refundable deposit of $20.**
* **$40 Replacement Cost:** I am responsible for any damage to the calculator. If I see any damage or evidence of misuse of the calculator that I did not do, I must report it immediately to my teacher. A replacement cost of **$40** will be charged for lost, stolen, or damaged calculators.
* The calculator will be used as an instructional tool, not a toy, and will be brought to and from school everyday.
* Any of the following will result in my having to replace the calculator and/or denial of calculator privileges:
  1. Scratches and/or marks on the screen or damage in any form to the calculator.
  2. Writing on the calculator buttons, screen or cover
  3. “Text Messages” entered into the calculator
  4. Programs without the teacher’s permission
  5. Loading or playing games on the calculator
  6. Removal of batteries
  7. Dropping the calculator on the floor due to carelessness

**We agree to the above criteria and accept responsibility for any damage.**

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_         \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Student Signature                                                                                     Date

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_             \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Parent/Guardian Signature                                                                        Date

This form must be signed and returned to your teacher before a calculator will be issued.

NOTE: A graphing calculator is required for your mathematics course. it is *your responsibility* to provide your own graphing calculator or to borrow one from BECA under this agreement.

**FOR TEACHER USE ONLY**

**Calculator # \_\_\_\_\_\_\_\_\_\_\_\_\_**

**Condition of calculator when issued ❑ NEW ❑ USED**

**Notes:** \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_