GSE Geometry Syllabus 2019-2020   **Dutchtown High School**

Updated: 7/27/2019

Teachers:

Mrs. Medina, Room 118 Jeessy.Medina@henry.k12.ga.us	Mrs. Brown-Henry, Room 218 Pamela.Brown@henry.k12.ga.us	Mrs. Lynde, Room 402 Tammy.Lynde@henry.k12.ga.us
Mr. Hardeman, Trailer 4 Jason.Hardeman@henry.k12.ga.us	Mrs. Nikkia Whitley Nikkia.Whitley@henry.k12.ga.us	

Text "book":
Into Geometry by Houghton Mifflin Harcourt (Provided by Henry County)
GSE Geometry Henry Teaching Learning Standards and Learning Targets

Class Donations very much needed!!!
HAND SANITIZER
TISSUE BOXES

REQUIRED CLASS SUPPLIES:

1.5-in binder, Pencil, Paper, Small Protractor, **Compass**, dry-erase marker for the student
Required **Scientific Calculator** (Recommended either **TI-36X Pro** OR the **Casio fx-115 ES plus**; around $20 each)
Chromebook
Additional items: earbuds (class videos), eraser, pencil sharpener, color pencils, small ruler

Course Description / Content:

- **Unit 1**: Building on standards from middle school, students will perform transformations in the coordinate plane, describe a sequence of transformations that will map one figure onto another, and describe transformations that will map a figure onto itself. Students will compare transformations that preserve distance and angle to those that do not.
- **Unit 2**: Building on standards from Unit 1 and from middle school, students will use transformations and proportional reasoning to develop a formal understanding of similarity and congruence. Students will identify criteria for similarity and congruence of triangles, develop facility with geometric proofs (variety of formats), and use the concepts of similarity and congruence to prove theorems involving lines, angles, triangles, and other polygons.
- **Unit 3**: Students will apply similarity in right triangles to understand right triangle trigonometry. Students will use the Pythagorean Theorem and the relationship between the sine and cosine of complementary angles to solve problems involving right triangles.
- **Unit 4**: Students will understand and apply theorems about circles, find arc lengths of circles, and find areas of sectors of circles. Students will develop and explain formulas related to circles and the volume of solid figures and use the formulas to solve problems. Building on standards from middle school, students will extend the study of identifying cross-sections of three-dimensional shapes to identifying three-dimensional objects generated by rotations of two-dimensional objects.
- **Unit 5**: Students will use the concepts of distance, midpoint, and slope to verify algebraically geometric relationships of figures in the coordinate plane (triangles, quadrilaterals, and circles). Students will solve problems involving parallel and perpendicular lines, perimeters and areas of polygons, and the partitioning of a segment in a given ratio. Students will derive the equation of a circle and model real world objects using geometric shapes and concepts.
- **Unit 6**: Students will understand independence and conditional probability and use them to interpret data. Building on standards from middle school, students will formalize the rules of probability and use the rules to compute probabilities of compound events in a uniform probability model.

Grading Scale:

A = 90-100	B = 80-89	C = 74-79	D = 70-73	F = 0-69

Course Pacing:

Semester Pacing	Full-year Pacing
2 Weeks– Unit 1 Transformations	**4 Weeks**– Unit 1 Transformations
4.5 Weeks– Unit 2 Similarity, Congruence and Proofs	**9 Weeks**– Unit 2 Similarity, Congruence and Proofs
2 Weeks– Unit 3 Right Triangle Trigonometry	**5 Weeks**– Unit 3 Right Triangle Trigonometry
3.5 Weeks– Unit 4 Circles and Volume	**7 Weeks**– Unit 4 Circles and Volume
2.5 Weeks– Unit 5 Geometric and Algebraic Connections	**4 Weeks**– Unit 5 Geometric and Algebraic Connections
2 Weeks– Unit 6 Probability	**4 Weeks**– Unit 6 Probability
1.5 Weeks– EOCT Review	**3 Weeks**– EOCT Review
EOCT EXAM	**EOCT EXAM**

Course Grading Policies:
Grades will be uploaded to the online gradebook, *Infinite Campus,* on a regular basis. Parents and students must have access to the *Infinite Campus* gradebook. Please see Main office for details. Parents can download the free app and receive grade notifications as soon as grades are posted.

- **20%** EOC Milestone
- **40%** Practice work, Reflections, formative and diagnostic Quizzes, etc
- **40%** Unit Assessments, performance tasks and projects

Unit 1	Transformations	G.CO.1-5
Unit 2	Similarity, Congruence, Theorems	G.SRT.1-5, G.CO.6-13
Unit 3	Trigonometry	G.SRT.6-8
Unit 4	Circles and Volume	G.C.2-5, G.GMD.1-4
Unit 5	Coordinate Geometry	G.GPE.1,4-7, G.MG.1-3
Unit 6	Probability	S.CP.1-7

EOC Milestone Geometry:
The Milestone will take place on December 9, 2019 for Fall Semester Classes and on May 6, 2020 for Spring Semester and Year-Long Classes. It is composed of the following categories. Every Unit Counts!

35% Similarity & Congruence	35% Equations & Measurements	15% Circles	15% Probability
(Unit 1, 2A, 2B)	(Unit 3, 4B, 5)	(Unit 4A, 5)	(Unit 6)

Homework/Classwork/Practice Work policy:
Practice work counts as 40% of your grade and therefore, it is due by the assigned date given in class for full credit. All online practice will only be accepted if your score is 70 or higher. It will be considered a "Missing" assignment otherwise. You will receive full credit for submitting "Missing" online work before the Unit Test. All "Missing" online work submitted after the Unit Test will receive a max score of 80. Inform your teacher of any completed "Missing" online work and they will be sure to update late work <u>at least once per grading period</u>. Turn your work in on time and you will have no issues. 😊

TEST Absence policy:
If you are absent on TEST DAY, then you take the test the day you come back. If you are absent on multiple consecutive days that include TEST Day, then the number of days allowed will be one day for each absence. If you are absent during the unit and feel that you need additional time, please talk with your teacher. Otherwise, you will be expected to take your test on time.

EOC GEORGIA MILESTONE TEST counts 20%:
It will take place December 9, 2019 for Fall Semester Courses and on May 6, 2020 for year-long courses and second semester courses.

Grade Recovery:
Assessments count as 40% of your grade and therefore, a passing score is important in all standards to successfully complete the course. The unit tests are recorded by standards in the gradebook.

<u>*What if I fail a standard or multiple standards in a test?*</u>
1. <u>Standard(s) Remediation</u>: If you failed a standard(s), you can retake it after school or during IF. Remediation work may be assigned. **The highest score that can be earned on a standard retake is an 80.** See teacher for details and arrangements.

<u>*What if all the standards (entire unit) have to be redone for whatever reason?*</u>
2. <u>Unit Recovery Program</u>: You can retake an entire unit with Ms. Nickerson through the Unit Recovery Program. The application will be posted in google classroom. Print it, complete it, get parents signature and return to Ms. Nickerson or your teacher before the deadlines. The program has attendance requirements and is completed after school. Once unit recovery is complete, the grade you earn will be sent to your teacher and they will update the gradebook.

Retake Deadlines:
All standard test retakes must be completed by the following dates.
<u>Only Semester courses will be allowed standard test retakes for units 5 and 6 after the Milestone Test.</u>

Fall Course:	Dec 6
Spring Course:	May 1
Year-Long Course:	May 1

Behavior consequences:
The following procedure will be followed for behavior issues such as breaking *class rules*, *expectations*, or *routines* (see teacher addendum).
1) 1st offense – conference with student.
2) 2nd offense – Alternative discipline (i.e. conference, detention, contract, seat relocation, etc.)
3) 3rd offense – **parent contact #1**
4) 4th offense – **parent contact #2**
5) 5th, 6th, and other future behavior issues will be a **Direct Referral to administration.** No more warnings!!!

<u>*Serious behavior issues*</u> will be direct referrals along with a parent contact:
i.e. skipping class, insubordination, rebellious/defiant, argumentative and blatant disobedience.

Updates:
The teacher reserves the right to make changes to the syllabus as needed. All changes will be posted to the class website and all parties will be notified.

Teacher Addendum:
A specific list of rules, expectations, and routines from your teacher that must be followed in your class.

TEACHER ADDENDUM FOR MS. MEDINA

Expectations:
- We start class as soon as the bell rings, so arrive on time and be ready at your desk.
- We come physically prepared for learning: Paper, pencil, calculator, Chromebook, etc.
- We come mentally prepared for learning: Positive mindset and attitude.
- We always use polite language and respect teaching and learning time.
- We respect the teacher and her personal space.

Routines:
- Arrive to class before the bell rings.
- Place belongings in the bookbag area.
- Take Chromebook, binder, paper, pencil, calculator to your desk.
- Complete the opening/warmup ASAP without being told to do so.

Class Rules:
1. **No cellphones, No smart watches, No earbuds, No headphones, No pods, No excuses, etc**…
   - Chromebook compatible earbuds will at times be required for instruction so please have them ready when needed.
2. **Calculator:** Bring a Real Calculator to class daily. Phones are **NOT** real calculators.
   - Real calculators Include: **CASIO FX-115 ES-PLUS** or the **TI 36XPRO.**
3. **Bags:** All bags (bookbags, draw-string bags, man bags/purses, girl purses, gym bags, plastic bags, lunch bags, any bag, etc.) go in the bookbag area at the beginning of class. No going to the bookbag area during class.
4. **Class Materials:** Bring to class your binder, paper, calculator, pencil, and Chromebook **DAILY**.
5. **No Sleeping:** Be attentive in class. Sit up straight. No putting head down or on the desk. No sleeping in class.
6. **Dress Code:** Students need to follow the school dress code.
7. **Restroom**: You have 5-7 minutes to go and come back.
   - If you take longer, you will not go to the restroom for 2 weeks.
   - Do not ask the first 20 or last 20 minutes of class.
8. **Food:** No food, no drink, no gum. (Water is allowed)
9. **Lunch Time**: Eat your lunch, snacks, and dessert during your lunch time in the commons area and not in the classroom.
10. **Tardy:** Students must arrive and be inside the classroom by the time the bell rings. Students that reach the door after the bell rings will have to get a tardy pass. The tardy machine is ~25 steps from our class and getting a late pass does not take longer than 5 minutes.
11. **"MISSING" WORK**: If your assignment is labeled as "M" missing = 0 in the gradebook, then you will be expected to submit it for late credit. You will earn full credit if turned in before the end of the Unit and 80 max if turned in after the end of the Unit.
    - *Note*: Online work with a score less than a 70 will be entered as "M" Missing in the gradebook.
    - If you want a "Missing" assignment updated, you must notify me via the Google Classroom assignment labeled "Contact Ms. Medina" whenever you have completed an assignment that had been tagged as "Missing". Provide all information for the assignment.
12. **Retake:** If you fail a standard in a Unit Post Test, you may retake it during IF or afterschool after you complete the remediation work. (see your class agenda in Google Classroom)
13. **Remind:** All students must sign up for remind and stay on remind for the entire course. Assignments and reminders will be issued via remind. You can get help via remind from home. Not having remind or not checking remind is not an excuse.

   2nd Geometry: @gsegeo2   **3rd Geometry: @gsegeo3**   **4th Geometry: @gsegeo4**

All standard test retakes must be completed by the following dates.
Only Semester courses will be allowed retakes on unit 5 and unit 6 after the milestone.

	1st Semester	**2nd Semester**	**Year-Long**
All standard retakes must be done by	Dec 6 *Unit 5 & 6 allowed retakes after this date for this is a semester class.*	May 1 *Unit 5 & 6 allowed retakes after this date for this is a semester class.*	May 1

<u>STUDENT</u>

*I hereby agree that I have read the syllabus for **GSE geometry**. I also understand the teacher addendum and how it applies to my geometry classroom. I will always abide by the rules and keep the syllabus in my class notebook.*

Student Printed Name: _____

Date: _____

<u>GUARDIAN</u>

*I hereby agree that I have read the syllabus for **GSE geometry**. I have also read the teacher addendum. My child will always abide by the rules and keep the syllabus in their class notebook.*

Guardian name (Print): _____

Guardian (Signature): _____

Guardian Phone Number (PRINT NEATLY): _____

Guardian Email (PRINT NEATLY): _____