

**COURSE INFORMATION**

**SYLLABUS-GEOMETRY CONCEPTS AND CONNECTIONS**

**SY 2024-2025**

**TEACHER INFORMATION:**

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**COURSE DESCRIPTION**

**COURSE GEOMETRY A: 1ST SEMESTER**

**COURSE GEOMETRY B: 2ND SEMESTER**

**GENERAL DESCRIPTION**

GSE Geometry represents a discrete study of geometry with correlated statistics applications. High school course content standards are listed by conceptual categories including Number and Quantity, Algebra, Functions, Geometry, and Statistics and Probability. Conceptual categories portray a coherent view of high school mathematics content; a student’s work with functions, for example, crosses a number of traditional course boundaries, potentially up through and including calculus. Standards for Mathematical Practice provide the foundation for instruction and assessment. The Mathematical Practice Standards apply throughout the course and, together with the content standards, encourage students to experience mathematics as a coherent, useful, and logical subject.

**COURSE STRUCTURE**

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| **CURRICULUM OVERVIEW – MODULES OF STUDY**  |
| **GEOMETRY- PART A**  | **GEOMETRY-PART B**  |
| **UNIT 0: Growth Mindset in Mathematics/Introduction to the Course**  | **UNIT 6:** Circles  |
| **Unit 1:** Polynomial Expressions  | **UNIT 7:** Equations & Measurement  |
| **Unit 2:** Geometric Foundations, Construction and Proof  | **UNIT 8:** Probability & Statistics  |
| **Unit 3:** Congruence   | **UNIT 9:** Culminating Capstone Unit  |
| **Unit 4:** Similarity  | **GEOMETRY B - REVIEW**  |
| **Unit 5:** Right Triangle Trigonometry  |   |
| **GEOMETRY A - REVIEW**  |   |

**GRADING CRITERIA**

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| **GRADING CATEGORIES** | **PERCENT** |
| **Class Discussions, Assignments, Projects** (online submission, graded) | **60%** |
| **Post Assessment/Unit Tests/ Projects**(online submission, graded) | **40%** |
| **Total:**  | **100 %** |
| **FINAL EXAM : 20% of FINAL GRADE PER SEMESTER** |  |
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| **GRADE PROTOCOL** |
| **A 90 – 100** **B 80 – 89** **C 75 – 79** **D 70 -74****F Below 70** |
| ***GRADING ANALYSIS*** |
| ***Distinguished Learner* 92%-100%*****Proficient Learner*  80%-91%*****Developing Learner* 68%-79%*****Beginning Learner* 0%-67%** |



**Assignments and Absences**

**Face to face**- Students will receive a variety of assignments designed to enhance their learning. If a student is absent, the student is responsible for the missed assignment. Students who have an excused absence will be allowed five days to turn in the missed assignment. No work will be accepted after five days. If a student is absent, he/she is responsible for getting their own make up work. All work should be submitted in Canvas.

**Online-** Since work online will have a specified due date, assignments are due on that assigned due date. Late work will be penalized 1% per each late day.

**Covid/Quarantine-**If Face to Face students are moved to virtual or quarantined due to exposure, students are still required to complete the work given on Canvas by specified due date. If any student falls ill, virtual or Face to Face, please contact your teacher immediately so that a plan can be put in place and you will not be penalized.

**Canvas work for all-** Students will have 5 days to resubmit an assignment on Canvas that is not a quiz or assessment if their score is not sufficient or stated by the teacher in the Comments section.

**Expectations**

1. Respect yourself, peers and all adults.
2. High expectations ALL DAY, EVERY DAY!
3. Be prepared for class daily.
4. Every student is responsible for helping to maintain a clean, safe learning environment and to participate in daily math lessons.
5. Adhere to all policies, rules, and regulations outlined in the student handbook.
6. Use computer etiquette.

**Classroom Procedures & Expectations (Face to Face)**

1. Walk into the classroom quietly and take your seat.
2. If you are tardy, you must have a pass from the office.
3. If need be, sharpen your pencil or visit the wastebasket before class begins. This must be done within the first three minutes of coming to class.
4. As soon as you are seated, get out all materials needed for class.
5. During assessments you are to raise your hand if you have a question and I will come to you. Always bring a book to read after you finish your test because not everyone will finish the test at the same time.
6. During class work, raise your hand and I will come to you and if I am with another student, wait patiently and I will get to your question.
7. If you are absent, it is your responsibility to check with me to see which assignments you missed. **It is your responsibility to complete the assignments within five days.**
8. Do not stand up, pack your book bag, clear off your desk or leave the classroom until instructed to do so.
9. During a fire or tornado drill, remain calm and walk quietly to our designated areas.
10. During any announcements be quiet and listen until they are finished.

**Classroom Procedures & Expectations (Online)**

1. During video conferencing, screens must be on at all times.
2. Mute your screens, unless instructed otherwise.
3. Use the hand button, to raise your hand and wait for me to call on you.
4. When replying to others in discussion, use appropriate language, be respectful, and use correct grammar.
5. YOU ARE RESPONSIBLE FOR SUBMITTING YOU WORK IN A TIMELY MANNER!

**Course Materials (Face to Face)**

1. **Laptop**
2. Notebook Paper
3. 3-inch binder or 1-inch binders (2 quantity)
4. Dividers (7)
5. Pencils
6. Graph Paper

For Classroom (not mandatory)

* Tissue
* Hand Sanitizer
* Paper
* Pencils

**Assignments**

* 6 Unit Tests
* 4 Projects (40% of grade)
* Homework will be given 2+ times a week
* Assortment of quizzes and classwork

**Behavior Interventions**

* 1st time – Verbal warning/Conference with student about the misbehavior and its negative impact on their learning.
* 2nd time – Parental contact to discuss behavior and interventions.
* 3rd time – Conference with student and graduation coach, liaison, or counselor.
* 4th time – Referral to administration

**\*\* Any student who is a major disruption to classroom procedure will be referred immediately to their assistant principal.**

**\*\*\*The classroom is a safe environment where everyone, regardless of background and ideals, is free to empress himself/herself. If you or anyone else feels unsafe in the classroom, please notify your teacher right away so the situation can be remedied**

**Notification of Assignments/Updates**

Please visit the school website under Hughes website to see a Week at a Glance for assignments and HW for the week.

Grades for assignments will be posted within three days of the due date.

**TECHNOLOGY IN THE CLASSROOM**

It is the goal of the Mathematics department to have students learn to use and appreciate technology as a mathematical tool. Graphing calculators are powerful mathematical tools.  Through their use students can visualize problems more quickly, discover mathematical properties, and validate their work done with pencil and paper. Graphing calculators are not substitutes for students learning mathematical concepts and processes.  They are to be used to enhance student learning. I have a set of graphing calculators for students to use while in my classroom.  In order to ensure security, students will only be allowed to use one of my calculators on in-class quizzes and tests.

Bring your own technology (BYOT) allows students to have opportunities to learn mathematics using technology by bringing personal technology to school to use for instructional purposes only. Technology covers hand-held and other mobile equipment such as tablets, netbooks, notebooks, or other systems that can be used for word processing, Internet access, recording audio or video, and that may serve other purposes as deemed appropriate for a subject area by the teacher. The owner of the personal technology is responsible for the safe-keeping, storage, updating, charging and usage of the device. Laney High School is not liable for theft, loss, or damage. All users must follow the Richmond County Internet Acceptable Use Policy. Devices with other connectivity besides wireless (such as 3G or 4G) may only access the wireless network provided by RCSS.

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| **TECHNOLOGY POLICY** | **iPods, iPads, Tablets, Cell Phones, Smart Phones, MP3 Players, and all electronic devices.*** None of these items are to be used in class unless instructed to do so.
* No devices may be plugged in unless the device is needed for instruction.

***CONSEQUENCES: (3 STRIKE RULE)***Strike 1: Teacher Collection: Return at end of classStrike 2: Teacher Collection: Return at end of class**Strike 3: Administrator Collection** |

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| **EXTRA HELP** | **Online Resources*** IXL.com
* My.hrw.com
* USA Test Prep – [www.usatestprep.com](http://www.usatestprep.com);
* Khan Academy – [www.khanacademy.org](http://www.khanacademy.org)
* Learn Zillion- [www.learnzillion.com](http://www.learnzillion.com)

**TUTORING****Tutoring times TBA****++Tutoring Schedule will be modified based on meetings (Faculty and Parent).*****It is the responsibility of the student to request additional help (I will need to be notified at least twenty- four hours before the student plans to stay)*** |
| **GRADE RECOVERY** | **The Recovery Policy is a provision for improving grades. This policy allows students to recover from a low or failing cumulative grade on ASSESSMENTS ONLY.** **Grade Recovery: Any student that has a grade below a 70 at the end of each grading period will receive a *Grade Recovery Contract*. Grade forgiveness will be used, whereby the original failing grade is replaced by the Grade Recovery grade for computing grade-point averages.** |

**Contact Information**

**Parent Signature: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Signing this acknowledges that I will strive for success.**

**Student Signature: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Parent Contact Information (please print legibly below):**

* **E-mail address: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**
* **Home phone: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**
* **Cell phone #: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**
* **Work phone # and hours \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**\*Please check the best way(s) to contact you.**

**Brag Letter (Parents…this is your opportunity to tell me anything about your child: good or bad)**

**Conferences**

**In order to schedule a conference with your teachers, please contact the Guidance Office** 706-823-6900**.**