 **Geometry Syllabus**

**2020-2021**

**Overview**

Geometry students will connect previous knowledge from Algebra I to Geometry within the coordinate and transformational geometry strand. Through a focus on the development of proofs students will strengthen their mathematical reasoning skills in geometric contexts. Formal constructions using a straight edge and compass will be created to make conjectures about geometric figures. Proportional reasoning skills and analysis of patterns to identify geometric properties will provide context for proofs about special segments and circles. Another focus will be on the application of formulas in multi-step situations using background knowledge in two- and three-dimensional figures.

Finally, students will gain exposure to fundamental topics in probability and statistics, which will prepare them for success in post-secondary education.

**Geometry Units of Study: You will have access to an online CALENDAR with test dates and topics**

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| **First Semester** | **Second Semester** |
| Learning Math Online | Exploration of Polygon and Quadrilateral Properties |
| Foundations of Logical Reasoning | Right Triangle Relationships |
| Angular and Linear Relationships | Circle Relationships and Proofs |
| Properties of Transformations | Dimensional Analysis of 2D Figures |
| Proofs of Triangle Congruence and Similarity | Dimensional Analysis of 3D Figures |
| Exploration of Triangle Properties | Applications of Probability |

**Goal/Goal Setting:**

Studies show successful people, possess similar character traits: set goals (revise and adjust), self-motivated, hardworking, self-aware, persevere, responsible, accountable, and honest. My goal is to collaborate with you to deliver curriculum and support, blended learning, academic rigor, college readiness prep, and quality-learning experiences. To achieve this, a partnership agreement between us is essential. Taking ownership of your learning will allow you to navigate your unique math pathway. By identifying these self-assessment questions you will narrow your targets to meet your goals: 1) what do you know, 2) what you need to learn, and 3) what evidence will you use to show what you know. We will use FBISD Learning Progressions where students will self-assess their knowledge and understanding throughout the unit of study. Each day you will review the Learning Progression, identify where you are and set a goal. Resources such as videos, notes, graphic organizers, and other explorations are in Schoology to support your learning goals. It is vital that you communicate with your teacher and your parent/guardian, as we are an added support to help you meet your goals.

**Grading:**

Grading procedures follow the district guidelines, which require at least 3 major grades (50%) and at least 9 daily grades (50%) each 9-week grading cycle (minimum of 12 grades). Daily assignments and due dates are posted in Schoology. **Submit all assignments in Schoology**. Daily grades include quizzes, classwork, and homework. Major grades include unit tests as well as projects and other assessments. Check Schoology and Skyward for grades. The weekly newsletter provides weekly reminders to students and parents to check your progress on an on-going basis.

**Online Textbook & Other Online Resources:**

The Geometry textbook is available online from our class Schoology page (CLEVER – Easy Bridge). Students will find the online resources extremely useful for their success in this class. We will use a variety of online resources such as **Clever – MathXL, Desmos, Flipgrid, Office 365, WeVideo, Padlet, Ti-Nspire Explorations and Delta Math** (see Schoology for username and password).

**Contact & Communication**:

My conference period is 4th Period: Mondays & Thursdays from 1:30pm –2:30pm and Wednesdays 11:15am-11:50am.

Join Remind: Text 81010 and send this message: **@21wedomath**. Class communications, updates, and reminders will be sent via Remind.

Contact me at the following:

Phone: **(409) 242 – 0694**

Email: [Kita.Booker@fortbendisd.com](mailto:Kita.Booker@fortbendisd.com)

Communicate directly with me between the hours of 7:00am and 4:00pm via Remind or Google Voice (text or voicemail)

**Supplies:**

* 2 Composition Notebooks
* Ruler, Red Pens, Color Pencils, Pencils and Erasers, Highlighter, Protractor & Compass
* Graphing Calculator (Link in Schoology)
* Graph Paper
* Geometry & Trigonometry Spark Charts

**Classroom Rules *(See additional norms on signature page)*:**

* Upon arrival always mute your mic and blur your background
* Adhere to FBISD Code of Student Conduct, Dress Code and Attendance Policy
* No eating in class; during instruction and breakout sessions
* Report to class on-time, remain on task and remain in class until dismissed by your teacher
* Appropriate language used **at all times** in chat and discussion posts

During class, you are to follow classroom rules and procedures to maximize learning time as much as possible. Please know that you can and will learn as long as you work hard and make no excuses. I will do my best to assist you in becoming successful in this class. I have provided my contact information. Never hesitate to let me know if you need any help.

**Consequences**

1. Verbal/Written Warning
2. Teacher/Student Conference
3. Detention/Parent/Teacher Conference
4. Administration Referral

**Homework, Make-Up Work, Late Work and Extra Credit:**

* **Homework:** assigned 3 nights per week. Students are **required** to check Schoology daily for assignments, upcoming events, and test/quiz dates.
* **Make-Up Work & Missing assignments:** accepted for full credit after an **excused absence** according to school/district policy.
  + Accepted for the same amount of time absent with a maximum of fifteen days.
  + Due on the immediate return to school: assignments/tests that were scheduled prior to the absence
* **Late Work Policy:** accepted with a 10-point penalty off for each day late (maximum 5 days late). Parents will be notified for consistent zeros entered into the grade book.
* **Extra credit is “EXTRA” It is a privilege not a right** and is only assigned at Teacher’s discretion, you CANNOT ask for Extra Credit **if you have not done the work previously assigned**.
* **Academic Dishonesty:** any student engaged in academic dishonesty (includes but not limited to cheating, copying work of another student, plagiarism, etc.) he/she will receive disciplinary actions **and** corresponding grade reduction as outlined in the Student Code of Conduct. These events will be documented in Skyward.

**Reteach/Re-engagement and Retest:**

* Teacher will review test and reteach the day following the assessment. Once students have completed the test corrections, they will upload them to Schoology using the corrections format and earn half credit for each correction completed. After the test corrections have been completed, the test grade will be revised.
* Test Failed: Students who earn less than 70% on unit tests will be **required to retest**. **Retest will be held after the student has attended tutorials within one week of the assessment.** If the student fails to complete the retest, their original test grade will remain. The highest score a student can earn on a retest is 70%. There are no retest on quizzes.
* Assignment Repair is offered to student at risk of failing a Progress Reporting Period or Grade Period. Parent contact will be made via Skyward.

**Online Tutorials:**

* Tutorials are held on Monday & Thursday from 2:30pm - 3:30pm – JOIN via Teams

**GUIDELINES TO SUCCESS: ONLINE/ IN-CLASS AT MARSHALL HIGH SCHOOL**

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| --- | --- |
| **Expectation** | **Virtual Classroom** |
| **Respectful** | **Keep your mic muted unless directed to unmute by teacher**  **Use raise your hand feature for questions**  **Chat: use appropriate language/no text language**  **Respect peer post – positive comments only**  **Respect teacher comments in chat**  **Appropriate dress**  **Bring all materials to class and be ready to learn**  **Be respectful of other’s time** |
| **Responsible** | **Be on-time for class**  **Bring all materials to class and be ready to learn**  **Submit online assignments in Schoology**  **Submit assignments on time**  **Stay engaged**  **Cold Call: be response ready (thoughtful response)**  **Practice appropriate online etiquette**  **Appropriate dress**  **Limit cellphone use unless directed by teacher**  **Adhere to Academic Integrity/Honest Policies** |
| **Safe** | **Backgrounds are blurred at all times**  **Keep password private**  **Appropriate dress**  **Turn-off camera when you are away from your screen** |

Please review the Digital Citizenship document and complete the Syllabus Agreement by clicking on the links below:

[Digital Citizenship Agreement](https://fortbend-my.sharepoint.com/personal/kita_booker_fortbendisd_com/Documents/Geometry/Geometry%2020-%2021/Digital%20Citizenship%20Agreement.docx)

[Syllabus Acknowledgment](https://forms.office.com/Pages/ResponsePage.aspx?id=QWJ9SRo5d0KRrL3SqZ9wVPcz1udVYcBHmhuddlxbNB1UNlQwQ0owRUNUWkVFNzVWRUozNTlKMFE2MC4u)

**To Do: Complete the Syllabus Acknowledgment with your parent and submit by Tuesday, September 1, 2020.**

I look forward to working with you this year! We will reimagine education as we embrace online learning and the new experiences along the way. My hope is that you learn a lot as you meet and exceed your goals!

Let’s Climb!

**Your Teacher,**

**Mrs. Kita Booker**

**“Marshall High School: Can’t Stop, Won’t Stop!”**