

Pre-AP Geometry ~ T. Marshall ECHS
Syllabus
2020-2021



Overview

Pre-AP 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. In Pre-AP Geometry, students will extend their work with proofs to include additional theorems and alternative proof approaches. This course is intended to prepare students for AP level course work. (See your counselor if you have questions).

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

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: **@2021ecgeom**. Class communications, updates, and reminders will be sent via Remind.

Phone/email – GOOGLE VOICE **(832)736-2401/** michele.lytle@fortbendisd.com

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

Supplies:

- Filler paper, Graph paper in a Binder
- 6 in Ruler, Red Pens, Color Pencils, Pencils and Erasers, Highlighters, Protractor & Compass
- Loose leaf hole reinforcements (*stickers*)
- Graphing Calculator (link in Schoology)
- Post it notes
- Hand sanitizer & 1 box of Tissue
- Geometry & Trigonometry Spark Charts

Classroom Rules *(See additional norms below):*

- Upon arrival mute your mic and blur background at all times
- Adhere to FBISD Code of Student Conduct, Dress Code and Attendance Policy
- No eating in class; during instruction and breakout sessions
- Be engaged from bell to bell
- Report to class on-time and remain until dismissed by your teacher
- Appropriate language used **at all times** in chat and discussion posts
- Dress code: no head coverings & no undergarments, spaghetti straps, etc.

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. Students will complete test corrections in Delta Math. Students will earn half credit for each correction completed and the test grade revised.
- Test Failed: Students who earn less than 75% 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 75%. There are no retest on quizzes.
- Assignment Repair is offered to student at risk of failing a Progress Reporting Period or Grade Period.

Online Tutorials:

- Tutorials are held on Tuesdays & Wednesday from 2:30pm-3:30pm – JOIN via Teams

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

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 <u>Limit cellphone</u> 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

Digital Citizenship Agreement:

As an online student, communication is a bit different than in a face-to-face setting. We pride ourselves in providing several opportunities for social interactions, but the difference is that most communication is via written text in an online environment. Because this means you are missing body language cues and immediate feedback from your “listener,” it is very important to understand some common rules for good online etiquette. This ensures that the message you intend to convey is received correctly.

7-Online Empathy Norms I will...

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| 1. Be respectful | 3. Be careful with humor and sarcasm | 5. Cite your sources |
| 2. Be aware of strong language, all caps, and exclamation points | 4. Check my grammar and spelling matter | 6. Don’t post or share (even privately) inappropriate material |
| | | 7. Be forgiving |

General Norms/Code of Student Conduct Violations, (all levels are documented):

- Level 1 – Verbal Warning with Teacher Conference
- Level 2 – Parent, Student and Teacher Conference
- Level 3 – Parent and Assistant Principal contact & write-up in Skyward



ATTN: STUDENTS & PARENTS

SYLLABUS ACKNOWLEDGEMENT

DUE SEPT. 1ST

Marshall ECHS Cornerstones:

- We will comply with any and all adult directives
- We will maintain self-control and be held accountable for our actions
- We will use language that is appropriate for an educational institution
- We will act with class and character in all situations

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. Michele Lytle *Pre-AP Math Teacher & Geometry Team Lead (Room S105)*

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