

Geometry with Data Analysis Syllabus 2020-2021

Teacher: Ms. Lexie Tisdale

Email: lexie_tisdale@ecboe.org

Room 200

Course Overview: Students will build on and deepen prior understanding of transformations, congruence, similarity, and coordinate geometry concepts. Students will perform algebraic calculations with specific application to geometry that build on foundations of algebra. Students will also build from earlier experiences in analyzing data and creating linear models to focus on univariate quantitative data on the real number line and bivariate quantitative data on a coordinate plane.

Materials:

- 3 Ring Binder
- Loose leaf paper (preferably College-ruled paper)
- Pencils
- Colored Pencils
- Texas Instruments TI-30XIIS Scientific Calculator- Sharing calculators is not allowed. Sharing a calculator during a quiz or test will be considered cheating and handled as such. Cell phone calculators may NOT be used in class.
- Students are encouraged to bring their own laptop or tablet, in accordance with the BYOD Policy, but it is not required.

Grading Policy:

This class will be graded using total points. Each assignment, quiz, and test will be given a point value. A student's grade will be determined by dividing Points Earned by Total Points possible. As per the SHS Handbook, "All final exams count 10 percent of the student's overall course grade."

Homework.....between 10-25 points

Classwork.....between 10-25 points

Quizzes.....50 points

Tests.....100 points

$$\frac{\text{Points Earned}}{\text{Total Points Possible}}$$

Classroom Rules and Expectations:

1. **Be Respectful**- To the teacher, other students and yourself.
Do NOT have your cell phone or any other device out, unless instructed by the teacher.
2. **Be Responsible**- Be on time for class. Have all your materials when you come to class. Turn in all assignments on their due date. If you are absent, you are responsible for getting any missed notes or assignments.
3. **Be Honest**- Do not lie, cheat or plagiarize. Consequences will be administered according to the ECBOE and SHS Code of Conduct.
4. **Be Positive**- You are awesome! You can do math! Having a positive "I can do this" attitude will only help you succeed.
5. **Do Your Best**- Complete all work. Be motivated to learn. Set goals to succeed. There is greatness inside everyone!

All rules and expectations in the ECBOE and SHS Handbook and Code of Conduct apply!

Covid Procedures:

We will follow the ECBOE and SHS guidelines and procedures. It is important that you also do your part by wearing a mask that covers your nose and mouth, wash your hands, and if you are experiencing symptoms please do not come to school.

Schools PLP:

SchoolsPLP is an online resource that we will use to complete and turn in assignments. It is an online learning platform similar to Google Classroom like we have used in the past. Each student can utilize this like an online textbook with assignments built in. It is designed to work on any device that connects to the internet. However, a tablet or laptop may make it more user friendly. Each student will receive their login information from their homeroom teacher.

Course Overview:

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| 1st Nine Weeks | Unit 1 Points, Lines, Planes |
| | Unit 2 Proofs |
| | Unit 3 Parallel & Perpendicular |
| | Unit 4 Transformations |
| 2nd Nine Weeks | Unit 5 Similarity |
| | Unit 6 Congruent Triangles |
| | Unit 7 Pythagorean Theorem Applications |
| | Unit 8 Right Triangle Trigonometry |
| 3rd Nine Weeks | Unit 9 Quadrilaterals |
| | Unit 10 Univariate Statistics |
| | Unit 11 Bivariate Statistics |
| 4th Nine Weeks | Unit 12 Circles |
| | Unit 13 Area on the Coordinate Plane with Applications |
| | Unit 14 Applications of Surface Area and Volume |

Syllabus Agreement Form

Thank you for taking the time to review this syllabus. By signing below you agree that you have read and accept the terms presented in this syllabus. If you have any questions or concerns about any of the content above please feel free to contact me at lexie_tisdale@ecboe.org. This form is due no later than **Wednesday, August 26.**

Fill out the form online:

<https://forms.gle/2XjvPKCaN43YhDrB6>

Student: I have read this syllabus and understand all of the information contained in it. I agree to abide by all of the rules and expectations listed.

Printed Student Name _____

Student Signature _____ Date _____

Student has computer access at home.

Student has internet access at home.

Parent/Guardian: I understand all of the information contained in this syllabus and I have reviewed it with my child. My child has agreed to abide by all of the rules and expectations listed. (Note: Any Accommodations/ Modifications for students will be implemented according to their IEP or 504 Plan.)

Printed Parent Name _____

Parent Signature _____ Date _____ Parent's

email to use for correspondence _____

Parent has computer access at home.

Parent has internet access at home.

Any special notes you would like the teacher to know: