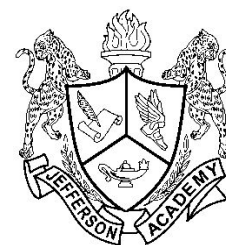


Jefferson Academy
Course Syllabus
Geometry
Fall 2020
"Strength in Numbers"



Course Information

INSTRUCTOR INFORMATION

Mr. Proctor

rproctor@jajags.com

Room 239 & 236

Office Hours:

Please email me to set up a time we can meet virtually

COURSE MISSION:

The mission of the Jefferson Academy Math Department is to foster critical thinking and logical reasoning through inquiry, investigation and discovery using mathematical practices.

COURSE DESCRIPTION:

The purpose of the course is for students to be able to recognize, manipulate, and apply the concepts of geometry. The topics covered in this course include (but are not limited to): properties of points, lines, and planes in a coordinate system, properties and applications of triangles and circles, right triangle trigonometry, and the areas and volumes of geometric figures.

COURSE BOOK/CONTENT:

Book: Geometry Common Core

Chapter 1: Tools of Geometry

Chapter 2: Reasoning and Proof

Chapter 3: Parallel and Perpendicular Lines

Chapter 4: Congruent Triangles

Chapter 5: Relationships Within Triangles

Chapter 6: Polygons and Quadrilaterals

Chapter 7: Similarity

Chapter 8: Right Triangles and Trigonometry

Chapter 9: Transformations

Chapter 10: Area

Chapter 11: Surface Area and Volume

Chapter 12: Circles

Chapter 13: Probability

Classroom Expectations and Policies

CLASS NORMS

1. Respect your teacher, school and classmates
2. Respect the learning environment of others.
3. Follow directions the first time they are given

CONSEQUENCES

First infractions will receive a verbal warning. Continued or escalated behavior will result in a seat change and/or the removal of the student from class, lunch detention, Friday school. Students may have to make up the missed time during lunch or after school.

EXPECTATIONS OF STUDENTS

Be prepared and on time for class EVERYDAY. Being prepared means:

- You are seated at your desk and prepared to work at the beginning of each class period
- You have a positive attitude and willingness to learn!
- You have brought the required supplies (see below) and homework

VIRTUAL (CANVAS or ZOOM) MEETINGS

As we will be working together in a remote and/or hybrid classroom, it is important that we still meet as a whole class to discuss issues and answer questions. Therefore we will have virtual meetings (most likely using Canvas embedded conferences or Zoom). I understand that we are all working in different environments and will do my best to keep the meetings as brief and focused as I can.

Meetings will be as follows:

- **EVERY Wednesday:** Required whole class meetings. Meetings begin at the start of your designated class time.
- **Sporadically:** As issues, questions or announcements arise that are not addressed in the Wednesday meeting, I will schedule a required whole class meeting as needed. I will do my best to give you as much time in advance as possible.
- **As needed:** If you are having difficulty with concepts, questions, or just need clarification, please feel free to contact me so we can set up an individual (or group) meeting

VIRTUAL MEETING ETIQUETTE

During virtual meetings, the class norms and expectations still apply and I expect everyone to adhere to these guidelines. I would encourage everyone to have their camera on and participate when appropriate.

TARDIES

Students are expected to be in class, on-time, with materials and ready to go for class everyday. Not being PHYSICALLY present in class when class begins will result in being tardy. Failure to do so will result in a student being considered tardy. Per school policy, repeated tardiness will result in:

- 1st Tardy-warning
- 2nd Tardy-parent notified
- 3rd Tardy-detention
- 4th Tardy-referral to office.
- 5th Tardy-parent, student and admin meeting at school

SHOWING YOUR WORK

Students are expected to show work for all assignments and tests. Showing your work demonstrates your understanding of concepts taught in class and allows the instructor to follow your work and see the progress you are making. Showing your work also provides the opportunity to receive partial credit. **FAILURE TO SHOW YOUR WORK MAY RESULT IN A SCORE OF ZERO.** "If you have to ask yourself if you need to show your work, you should show your work."

STUDENT CODE of CONDUCT

It is expected that at all times, students will act honestly and ethically. Cheating and/or being “cheated-off-of” will result in a minimum of a zero on the assignment/exam and possibly an “F” in the course. Plagiarism in math class is still an issue. Turning in an answer or solution that the student did not generate is considered plagiarism. This includes getting answers from another student or the book without producing their own work. For a minor infraction, the student may be asked to redo the assignment or the assignment may not receive credit. Continued copying on assignments, or copying on a test or project will result in no credit and will be reported to administration.

FOOD and DRINK

Drinks are allowed in class as long as they are in a sealable container (water bottles, gatorade, etc...) Food will not be permitted at any time in class. Food or unsealable drinks will need to be disposed of before entering class.

CELL PHONES

Cell phones will need to be placed in the assigned class cell phone holder at the BEGINNING of every period. Any student caught with a cell phone not in the class holder will receive an automatic Friday school.

CLASSROOM SUPPLIES

- A notebook/binder and loose leaf paper/spiral for notes and assignments.
- Graph Paper
- Pencils
- Calculator-You must have YOUR OWN CALCULATOR for in class sessions because we cannot loan out any calculators.
 - A graphing calculator (TI-84 Plus CE is preferred) or a TI – 30X IIS minimum
- Portable Device

Grading Policies

All assignments will be graded on a weighted system. Your grade will be based on the course final, chapter exams, quizzes, classwork and homework. In addition to chapter tests, a comprehensive final exam will be given at the end of the semester.

HONORS CREDIT-Every student has the choice to receive honors credit for this course. Every chapter will have 2 test options: regular and honors. Students who would like to earn honors credit must complete 7 out of the 9 honors chapter tests and must take the honors final. Students who complete this will earn a weighted overall grade.

GRADING SCALE:

90 – 100 %	A
80 - 89 %	B
70 - 79 %	C
60 - 69 %	D
0 - 50 %	F

GRADES:

All grades are within the students' control. **YOU** have the power to achieve any grade you want, you just have to decide to put in the time and effort. I am here to help you reach your academic math goals. My belief is that, "I do not assign grades, students earn grades."

Students who earn an A in this course are exceptional students who meet or exceed the objectives of the course in addition to the expectations in the classroom. They complete their work on time with proficiency, quality, and creativity. They demonstrate an excellent and flexible understanding of the content and persevere through the challenges encountered throughout the course. They actively participate in class and ask questions when needed. When facing challenges with the content, these students are persistent, determined and open to finding alternative methods to study and learn.

Students who earn a B in this course are above average students who meet the objectives of the course in addition to the expectations in the classroom. They complete their work on time with accuracy and demonstrate a solid understanding of the content presented in class. They actively participate in class and ask questions when they do not understand the content.

Students who earn a C in this course are average students who meet the basic objectives of the course and the expectations in the classroom. They complete their work on time and meet minimum expectations.

Students who earn a D or F in this course have not met the objectives of this course or those in the classroom.

GRADE CALCULATION

1. Work (15% of your grade)

- **Homework**

Practice Problems for current content will be assigned daily in this class and will be due the next day. Assignments will be assigned through MathXL and/or problems from the textbook.

- **Notebook/Binder**

Notebooks will be checked at the end of each unit. You are required to have a 3 ring binder divided into 2 sections for this class. An organized binder with a "class notes" section and a "homework/MathXL" section.

2. Assessments-Test/Quizzes (70% of your grade)

- **Quizzes**-Quizzes will be given throughout the semester in order to measure students' understanding of the material.
- **Tests**-There will be a test at the end of each unit. Tests may include material from earlier units as well.

4. Final Exam (15% of your grade)

The final includes all material covered over the semester and is given at the end of the semester.

GRADE REPLACEMENT

On the final examination, students will have the opportunity to replace one low test score with the score received on the final exam. For example, if a student received a 62% on the Chapter 3 test and then scores an 80% on the final, the 62% will be replaced by the 80%. Grade replacement DOES NOT apply to tests that were not taken.

MAKE UP WORK

- **Chapter Work/Classwork**
 - Excused absences: ***You are responsible for obtaining the material covered.*** Upon returning to school, you have two days to complete missing assignments. Work that is not made up will receive a score of zero.
 - Late work: Will be accepted up to the day of the corresponding Chapter Test.
- **Assessments**
 - You are responsible for arranging a time (most likely outside of class time) to make up missed assessments.
 - You have **ONE** week from that date of your return to make up a missed test or quiz. A test or quiz that is not made up before the deadline will receive a score of zero.

Online Resources

ASSIGNMENTS

Students will have online access to, and be required to use, Pearson Realize and MathXL. Assignments will be given in these programs throughout the semester and require an internet connected device to be completed.

CANVAS

Canvas is a valuable tool with numerous resources to assist you with the content in this class.

The site has the following resources:

- Class notes, my notes from the lesson
- Homework assignment & due date
- Links to online resources from Pearson, videos, practice worksheets, tutorials, etc. (when applicable)
- In class activities or assignments (when applicable)

SAVVAS (Formally PEARSON REALIZE)

Each student will be given an online login and ID to www.pearsonrealize.com. The website provides students with

- Access to the online version of the book
- Video of the lessons
- Games to reinforce concepts
- Video tutorials, that allows students to try the concepts and get immediate feedback
- Animated math – Interactive tutorials to explore key concepts and skills.
- Extra practice problems
- Study Guides
- Quizzes/Test

MATHXL FOR SCHOOL

Students will be given a course ID for www.mathxlforschool.com This is where some of the homework assignments are assigned. Mathxl allows students to retry problems to get 100% and provides resources to help students solve problems.

GRADE REPORTS

Grades may be accessed 24/7 on Infinite Campus through the Parent Portal. If you have difficulty logging in, please contact me as soon as possible. Parents may email or call me if they have a concern or question about their child's progress in this class.

Tentative Course Schedule

Course: Geometry					
Week	Monday	Tuesday	Wednesday	Thursday	Friday
8/17-8/21	NO SCHOOL	NO SCHOOL	NO SCHOOL	NO SCHOOL	NO SCHOOL
8/24-8/28	Canvas	Canvas	Intro	Intro	Intro
8/31-9/4	1.1	1.2	1.3	1.4/1.5	Chapter 1 Quiz
9/7-9/11	NO SCHOOL	1.7	1.8	Chapter 1 Review	Chapter 1 Test
9/14-9/18	2.5	2.6	3.1/3.2	3.3	3.4
9/21-9/25	3.5/Quiz	3.7	3.8	Chapter 3 Test	4.1
9/28-10/2	4.2/4.3	4.4/4.6	Chapter 4 Quiz	4.5	4.7
10/5-10/9	Chapter 4 Test	5.1	5.2	5.3	5.4
10/11-10/16	5.6/Chapter 5 Quiz	5.7	Chapter 5 Review	Chapter 5 Test	NO SCHOOL
10/19-10/23	6.1	6.2/6.3	6.4/6.5	6.6	Chapter 6 Quiz
10/26-10/30	6.7/6.8	10.1	10.2/Review	Chapter 6 Test	7.1
11/2-11/6	7.2	7.3	7.4	Ch7 Quiz	7.5
11/9-11/13	Chapter 7 Test	8.1	8.2	8.3	8.3
11/16-11/20	8.4/Chapt 8 Quiz	10.3	10.5	Review	Chapter 8 Test
11/23-11/27	Thanksgiving Break – NO SCHOOL				
11/30-12/4	10.6	12.1	12.2	12.3	Chapter 12 Quiz
12/7-12/11	12.4	12.5	Review	Chapter 12 Test	11.1
12/14-12/18	11.2/11.4	11.3/11.5	11.6	Chapter 11 Test	Review
12/21-12/25	Finals	Finals	NO SCHOOL	NO SCHOOL	NO SCHOOL

*** The instructor reserves the right to adjust the syllabus at any time**

Dear Student and Parents/Guardians:

Hello and welcome to the Fall 2020 Semester. My name is Mr. Proctor and I am looking forward to this semester as we explore various mathematical concepts, and have fun doing it!

I enjoy teaching math and believe it is an important subject that you will need for the remainder of your life. I am confident that the curriculum and other qualified resources will challenge the students and advance their mathematical knowledge. In order for us to be successful this year, we need to have an environment in the classroom which will allow all of us to learn.

I know this semester is going to be different from what we have previously experienced at school, but I have confidence that we can make it work and that your child will still receive the quality education that is expected from Jefferson Academy. This will be a learning experience and adjustment for ALL OF US so I ask that we all be flexible as we work through the challenges and know that I am there to support your student so they can be successful.

Please support me by reviewing the attached list of my classroom policies and expectations. Please take the time to read through these so you understand them and feel free to ask me questions. My door is always open, so please do not hesitate to contact me if you have any questions or concerns. You may contact me by email. I look forward to your support and having a great school year!

Mr. Proctor
Jefferson Academy Secondary
rproctor@jajags.com

Parent Access: Please feel free to monitor our class website and infinite campus to be aware of: concepts to be studied, assignments, upcoming assessments, class notifications, students' grades, infinite campus updates, etc.

Student name: _____

Parent/Guardian name: _____

Best way to contact you: _____

**I have read and understand this course's expectations and policies. Please sign and date below.

Student: _____ Date: _____

Parent: _____ Date: _____

Any other concerns or items that you may want me to know about your student:
