

Spring 2023 – West Florence – Geometry Syllabus

Course Information

Instructor Information

- **Instructor:** Karen Kirkham
- **Office:** 112A
- **Office Hours:** Daily 8:30 - 10:00
- **Office Telephone/Google Telephone:** 843-954-4013
- **E-mail:** kkirkham@fsd1.org (preferred method of contact)

Course Description

- This course is designed for college preparatory students and others desiring a formal background in mathematics. It is intended for motivated students of average or above average capabilities. This course is designed to utilize mathematical proof in the development of two-and three-dimensional geometric properties and meets the state Geometry Standards. Emphasis is placed on student discovery and exploration and on formulating and defending conjectures. Geometry includes an in-depth study of reasoning, polygons, congruence, similarity, right triangles, circles, area, volume, and transformations. Students will use a variety of approaches such as coordinated, transformational, and axiomatic systems. They will also develop an appreciation for the connections between geometry and other disciplines.

Prerequisite/Corequisites

- Algebra 1 or Intermediate Algebra

Textbook & Course Materials

- **Required Text(s):**
 - Houghton Mifflin Harcourt Geometry. ISBN 978-1-328-82564-3
 - Online Textbook - <https://my.hrw.com/>
- **Recommended Texts & Other Readings:**
 - Other readings will be made available through Google Classroom.

Class Expectations

- Be present or logged in on time for class
- Be prepared with charged Chromebook and charger
- No cellphone use unless for educational purposes as directed by the teacher
- Masks and IDs must be worn at all times on school property (except lunch)
- No eating or drinking in class except for water bottles

Student Learning Outcomes & Objectives

Student Learning Outcomes

- <https://ed.sc.gov/scdoe/assets/File/instruction/standards/Math/PrintableSCCCRGGeometryStandards201516.pdf>

Course Objectives

- Students will be able to solve problems using relationships between angles, lines, side lengths of triangles, and 2D and 3D geometric shapes.
- The students should gain an understanding of the basic concepts so they can be applied to real-world problems.
- Students will demonstrate mastery through quizzes and module tests.

You will meet the outcomes listed above through a combination of the following activities in this course:

- Attend class (virtual and face to face)
- Complete classwork, homework, quizzes, tests, and projects by the due date/time given with a passing score.
- Participate in class activities and Google Meets.

Topic Outline/Schedule

Important Note: Refer to the course calendar for specific meeting dates and times. Activity and assignment details will be explained in detail within each week's corresponding learning module. If you have any questions, please contact your instructor.

- **Week 01: Module 1**
 - LinkIt Assessment
 - Pythagorean Theorem
- **Week 02: Module 1**
 - Pythagorean Theorem
 - Points, Lines and Planes
- **Week 03: Module 1**
 - Angle/segment addition and bisectors
- **Week 04: Module 4**
 - Angle pair relations
 - Proving lines parallel
- **Week 05: Module 4**
 - Equations of parallel and perpendicular lines

- **Week 06: Module 5-6**
 - Triangle types and Triangle Sum Theorem
 - CPCTC
- **Week 07: Module 5-6**
 - Proving triangles congruent
- **Week 08: Module 5-6**
 - Proving triangles congruent
- **Week 09: Module 7**
 - Interior/exterior angles
 - Triangle Sum Theorem
 - Exterior Angle Theorem
 - Isosceles/equilateral triangle relations
- **Week 10: Module 9, 11-12**
 - Medians
 - Parallelograms
 - Similar triangles
 - Indirect measurement
- **Week 11: Module 13**
 - Trigonometry
- **Week 12: Module 13**
 - Special Triangles
- **Week 13: Module 13**
 - Angle of elevation and depression
- **Week 14: Module 15**
 - Circle parts
 - Central and inscribed angles
 - Tangent, secant, chord relations
- **Week 15: Module 16-17**
 - Arc length
 - Sector area
 - Equation of a circle
- **Week 16: Module 19**
 - Cross sections of 3D solids
- **Week 17: Module 19**
 - Surface area of 3D solids
- **Week 18: Module 18**
 - Volume of 3D solids
- **Week 19: Modules 1-19**
 - Semester Exam

Grading Policy

Grading Percentages

Points Q1 & Q3	Description	Points Q2 & Q4	Description
40%	Tests & Projects	45%	Tests & Projects
30%	Quizzes & Labs	30%	Quizzes & Labs
20%	Classwork & Homework	25%	Classwork & Homework
10% (of quarter grade)	Midterm Exam	20% (of semester grade)	Final Exam

Classwork and homework assignments will be listed in Google Classroom. Depending on the assignment, they will be graded for either accuracy or completion. Tests, projects, quizzes, and exams are graded for accuracy.

Late Work Policy

Pay close attention to deadlines and due dates. Missed quizzes and tests must be made up within 5 school days of returning to school. These may not be taken during class time.

If you are absent when work is assigned, it must be completed within 5 days. Late work will not be accepted after 5 days without a serious and compelling reason. This must be approved by the instructor.

If you are present when work is assigned but chose not to complete it, students may earn half credit (50%) for digital / homework assignments if completed by the end of that module. The work will not be accepted after the end of the module.

Viewing Grades in Google Classroom and Powerschool

Parents and students will be able to review grades on Google Classroom and PowerSchool. Please review grades in PowerSchool on a regular basis.

The final grade will be determined using the weighted percentages listed above.

Letter grades will be assigned based on the chart below.

Letter Grade	Percentage	Performance
A	90-100%	Excellent Work
B	80-89%	Good Work
C	70-79%	Average Work
D	60-69%	Poor Work
F	0-59%	Failing Work

Course Policies

Participation

Students are expected to participate in all online and in-class activities assigned.

If students do not attend class or log into Google Meet, an absence will be recorded. The work will be accepted for up to 5 days. The absence will remain even after the work is completed.

Academic Honesty Policy & Procedures

From the F1S Student Handbook: Academic honesty is a cornerstone of the educational community; therefore, students are expected to understand the standards of academic honesty as they pertain to students' behavior in the classroom.

Plagiarism

It is important for students to acknowledge sources that are used for completing classroom assignments. Plagiarism is a form of academic dishonesty.

Plagiarism may be any one of the following:

1. Verbatim copying without proper documentation of the source(s).
2. Paraphrasing without proper documentation of the source(s).

3. Unacknowledged appropriation of information or ideas from someone else.

If students have any questions about these forms of plagiarism or about an assignment they are preparing, they should ask their instructor for clarification rather than risk unintentional plagiarism.

Cheating

It is important for students to act in an honest and trustworthy manner. Work performed on examinations or other forms of evaluation must represent an individual's own work, knowledge and experience of the subject matter. Students are expected to follow the classroom rules established by the instructor.

Cheating may be any one of the following:

1. Unauthorized looking at or procuring information from any unauthorized sources or from another student's work during an examination or from any work that will be graded or given points.
2. Unauthorized acquiring, reading or learning of test questions prior to the testing date and time.
3. Changing any portion of a returned graded test or report and resubmitting it as an original work to be regraded.
4. Presenting the work of another as one's own for a grade or points.
5. Knowingly assisting another student in cheating.

This list is not all-inclusive and the list itself is not meant to limit the definition of cheating to just these items mentioned.

Consequences of Academic Dishonesty

The disciplinary action for cheating or plagiarism is up to the discretion of the instructor. The instructor may select one or more of the following options:

1. Issue an oral or written notification and warn the student that further acts of this sort will result in additional disciplinary action.
2. Issue an "a failing grade ("F") or "0" for the assignment in question.
3. Refer the student to the West Florence Administration for disciplinary action.

Please COMPLETE the SYLLABUS SIGN-OFF GOOGLE FORM

and turn into Karen Kirkham by August 8, 2022.

Statement of Understanding Of Class Syllabus as seen on Karen Kirkham's Website:

[Syllabus- on Karen Kirkham's website](#)