Geometry   YEAR 2023-2024

Location	**Room 1**
Instructor	**Mr. Morris**
Planning Period	**7th Period(12:25 – 1:09)** **Phone: (724) 662-5104**

Parent-Teacher Conferences may be scheduled before school from 7:45 to 8:00 or during the planning period.

Email	tmorris@mercer.k12.pa.us
Class Website	http://www.mercer.k12.pa.us/...
Description	The goals of geometry are to develop proficiency with geometric skills and to apply the understanding of geometric concepts to real-life situations. This course promotes success, improves logical reasoning, and provides a complete course in high school geometry. Algebraic skills are reviewed and strengthened through application to solving problems in geometry.
Textbook	*Geometry* copyright 2011 Holt McDougal.

Homework Policy and Philosophy

Students should expect to have a homework assignment each night. Homework assignments are necessary in order for students to practice the concepts covered in class that day. I will assign only the amount of homework that I feel is necessary for students to master each concept.

Homework will be reviewed on a daily basis. Most homework assignments will be part of your participation grade. If I choose to collect an assignment and grade it for correctness, this assignment will be worth at least 5 points.

<u>Homework assignments will be posted on Google Classroom on a daily basis.</u>

Homework Philosophy

"The application of homework within almost every learning activity is a valuable means of reinforcement and evaluation. It is the teacher's role to define such assignments and the responsibility of the students to complete them on time. Parents must also assume their responsibility in regard to student homework; therefore, proper communication between home and the school are vital in establishing assignments, which can significantly contribute to the overall educational process."

Grading

Range	Grade
97 – 100	A+
93 – 96	A
90 – 92	A-
87 – 89	B+
83 – 86	B
80 – 82	B-
77 – 79	C+
73 – 76	C
70 – 72	C-
67 – 69	D+
63 – 66	D
60 – 62	D-
0 – 59	F

Grades are based on a percentage system and the number of assessments and grades will vary from semester to semester. Evaluations will be in (but not limited to) the following forms:

Participation
Graded Homework Assignments
In-class Assignments
Notebook Quizzes
Quizzes
Tests

Students are expected to keep a record of point totals in case there is a discrepancy. <u>Each student is required to keep all quizzes, tests, and graded worksheets in his/her binder.</u> These will provide a resource to study for any semester or final exams.

Students will be given a zero for late graded homework assignments. NOTE: Assignments not turned in at the beginning of the class period due will be considered late.

Academic Integrity

"Students caught cheating, plagiarizing, copying homework and/or tests, quizzes, and using paper from the Internet will be given a "0" (zero) on that assignment. In addition, their name will be reported to the office and filed in the event of future violations. Repeated violations could result in removal from class, a non-passing grade, or a discipline hearing."

When a student is in jeopardy of failing, a progress report will be sent home. Progress reports for students in grades 7-12 will be mailed at the mid-point of each marking period.

Classroom Rules	Food, drinks, tobacco products, CD/MP3 players, IPods, cell phones, video games, and hats are **STRICTLY PROHIBITED** in the classroom. Other rules that will be enforced are as follows: 1. **Arrive on time.** 2. **Be organized and prepared for class. (Always bring binder, Chromebook, pencil, etc.)** 3. **Raise your hand BEFORE speaking.** 4. **Listen to others and participate in class discussions.** 5. **Follow directions the FIRST time given.** 6. **Remain in your seats until you are dismissed.** 7. **It is the responsibility of the student to obtain notes/materials when he/she is absent.** 8. **Show respect for yourself, others, and the teacher at all times.** **If any student chooses not to follow any of these classroom rules, consequences WILL follow. The consequences may include, but are not limited to, a deduction of participation points, a detention, a discipline referral to the office, or a conference with the student's parent(s). If the violation is of serious offense, a meeting with the principal and/or parents will be scheduled.**	**Make-Up Work** **Excused Absences** "Students are required to make up all missed work within a maximum of one school week after returning from any absence. This includes students on a pre-approved trip of more than one day. Teachers may require student's makeup work within a like number of days for any absence (i.e, two days absent – two days to complete the missed work.) If a student is absent on the day of a scheduled assessment they will be required to complete that assessment on the day he/she returns to school unless other arrangements are made with the teacher." **Unexcused Absences** "Failure to return an excuse card after five school days will ultimately result in the student being given an illegal or unexcused absence. Students <u>are not permitted</u> to make up any work from an illegal or unexcused absence." **Field Trips** "Students must check with teachers for assignments prior to leaving. All assignments (if it is out of class work) are due the first day back from the field trip unless the trip is more than one day." **Late to Class** "Students reporting late to class must secure a pass from the previous teacher if they were legitimately detained. Without such a pass, the student will be liable for detention."
Required Materials	**Students are to have a 3-ring binder (minimum of 1½"), their Chromebook, and a <u>writing utensil</u> with them AT ALL TIMES. Failure to comply will result in a deduction of participation points and/or an after-school detention.**	
Additional Help	**Students who seek additional help should make an appointment with the instructor. Students may also acquire a pass from the instructor to receive assistance during the advisory period at the end of each school day (2:46 – 3:15).**	**Tutoring** Extra Assistance is available on a regular basis during school hours by contacting the Guidance Office at (724)662-2272. It is the student's responsibility to seek such tutoring if needed.

OUTLINE OF MATERIAL COVERED IN THIS CLASS

# of Days	Material Covered During Time Period	Notes
Approximately 14 days	**Chapter 1:** **Foundations for Geometry** **(Points, Lines, and Planes, Measuring and Constructing Segments and Angles, Pairs of Angles, Geometric Formulas, Midpoint and Distance Formulas, Transformations)**	There will be approximately 1 quiz throughout the unit with a chapter test at the completion of the unit.
Approximately 20 days	**Chapter 2:** **Geometric Reasoning** **(Inductive Reasoning, Conditional Deductive Reasoning, Biconditional Statements, Algebraic Proofs, Geometric Proofs)**	There will be approximately 2 tests throughout the unit.
Approximately 17 days	**Chapter 3:** **Parallel & Perpendicular Lines** **(Lines and Angles, Angles formed by Parallel Lines and Transversals, Proving Lines Parallel, Perpendicular Lines, Slopes of Lines, Lines in the Coordinate Plane)**	There will be approximately 1 quiz throughout the unit with a chapter test at the completion of the unit.
Approximately 24 days	**Chapter 4:** **Triangle Congruence** **(Classifying Triangles, Angle Relationships in Triangles, Triangle Congruence: SSS, SAS, ASA, AAS, HL, CPCTC, Coordinate Proof, Isosceles and Equilateral Triangles)**	There will be approximately 1 quiz throughout the unit with a chapter test at the completion of the unit.
Approximately 10 days	**Chapter 5:** **Properties and Attributes of Triangles** **(Inequalities in One and Two Triangles, Pythagorean Theorem, Applying Special Right Triangles)**	There will be approximately 1 test at the completion of the unit.
Approximately 16 days	**Chapter 6:** **Polygons and Quadrilaterals** **(Properties of Polygons and Parallelograms, Conditions for Parallelograms, Special Parallelograms)**	There will be approximately 1 quiz throughout the unit with a chapter test at the completion of the unit.
Approximately 11 days	**Chapter 7:** **Similarity** **(Ratio and Proportion, Similar Polygons and Triangles, Proportional Relationships, Dilations and Similarity in the Coordinate Plane)**	There will be approximately 1 quiz throughout the unit with a chapter test at the completion of the unit.
Approximately 15 days	**Chapter 8:** **Right Triangles and Trigonometry** **(Trigonometric Ratios, Solving Right Triangles, Angles of Elevation and Depression, Law of Sines and Law of Cosines)**	There will be approximately 1 quiz throughout the unit with a chapter test at the completion of the unit.

Approximately 10 days	<u>**Chapter 9:**</u> **Perimeter, Circumference and Area** **(Formulas for Triangles, Quadrilaterals, Circles, and Regular Polygons, Composite Figures)**	There will be approximately 1 test at the completion of the unit.
Approximately 19 days	<u>**Chapter 10:**</u> **Spatial Reasoning** **(Solid Geometry, Formulas in Three Dimensions, Surface Area and Volume of Prisms, Cylinders, Pyramids, Cones, Spheres, and Composite Solids)**	There will be approximately 2 quizzes throughout the unit with a chapter test at the completion of the unit.
Remainder of the school year	<u>**Chapter 11:**</u> **Circles** **(Lines that Intersect Circles, Arcs and Chords, Sector Area and Arc Length, Inscribed Angles, Angle and Segment Relationships in Circles, Circles in the Coordinate Plane)**	There will be approximately 1 quiz throughout the unit with a chapter test at the completion of the unit.

Course Syllabus is Subject to Change