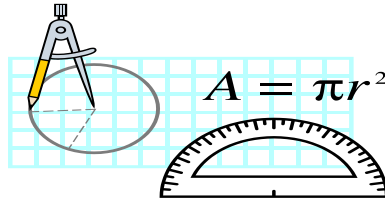


Jefferson Middle School Geometry Syllabus



Welcome to the 8th grade at Jefferson Middle School - your last but very important year before High School. You have been placed into this advanced mathematics course because you have successfully completed Algebra 1. Our Geometry course content is a part of the Michigan Merit Curriculum consisting of the Michigan High School Content Expectations (HSCEs) and the new national Common Core Standards.

These documents can be found using the following links:

http://www.michigan.gov/documents/mde/Geometry_216636_7.pdf

http://www.corestandards.org/assets/CCSSI_Math%20Standards.pdf

Students are required to take four Mathematics classes to graduate from Lakeview High School. By successfully completing Geometry here at JMS, you will have to complete a minimum of two more mathematics classes at Lakeview HS to satisfy the state requirements (Algebra 2, and a math-related course during his/her senior year).

Our Geometry course will utilize the Holt-McDougal Geometry text, copyright 2011 in our daily instruction. Each student will be provided with a new Geometry textbook, and will have the option to utilize an online version of the text for extra support and assistance at home.

Technology is also a very important component of the teaching strategies we use to instruct our students. JMS Algebra 1 students use the TI-84 Plus graphing calculator. **All students will have access to a calculator daily for classroom use; however, students will not have the ability to take a calculator home, therefore it is strongly encouraged that each student purchase this graphing calculator for use in this class, as well as all future high school Mathematics courses.**

Geometry Course Content:

- Chapter 1: Foundations for Geometry
- Chapter 2: Geometric Reasoning
- Chapter 3: Parallel and Perpendicular Lines
- Chapter 4: Triangle Congruence
- Chapter 5: Properties and Attributes of Triangles
- Chapter 6: Polygons and Quadrilaterals
- Chapter 7: Similarity
- Chapter 8: Right Triangles and Trigonometry
- Chapter 9: Extending Perimeter, Circumference, and Area
- Chapter 10: Spatial Reasoning
- Chapter 11: Circles
- Chapter 12: Extending Transformational Geometry

Geometry Course Policies and Procedures:

Attendance: Be present and on time to class everyday. If you are absent, my classroom will have a designated area in the classroom where you can find copies of handouts and notes from the previous class period. It is imperative that you obtain these copies as soon as you return to school. If you need assistance in learning the material, you should see me after school as soon as possible.

Materials Needed: You will need the following materials for this class:

- 3-ring binder (at least 2 inch) with tabs (12) for each chapter
- Pencils (will not be provided to you)
- Blue and black ink pens
- Colored pencils
- Ruler
- Protractor
- Compass
- Scissors
- Loose-leaf paper
- Graph paper
- Homework completed **everyday**
- TI-84 Plus Graphing Calculator (*optional, but strongly encouraged*)

Everything you are given and complete should be organized into your binder by chapter. You should never throw anything away unless directed to do so.

Daily Procedures:

- 1- Be quietly in your seat working on your warm-up/starter activity as soon as the bell rings each day.
- 2- Take notes daily during lesson instruction. The rule for note taking: *If I write it down, it is important!!!* Use these notes as your guide to complete homework assignments and study for assessments.
- 3- Do your homework - In mathematics, in order to learn the skills, you must PRACTICE the skills. We will spend time at the beginning of class each day to discuss the homework and if you have completed work, it will allow you to ask questions and seek clarification if needed. If you fall behind in your homework, it will become very difficult to catch up. **It is required for all students to show work on every problem in Geometry in order to earn credit on formative and summative assessments.**
- 4- **Study** for all quizzes and tests. Make flash cards, review your notes, and do extra practice problems to make sure you know each concept.
- 5- Retake any quiz in which you earn a score less than 80% within one week of the original quiz. In order to complete a retake, you must correct the missed problems on the original quiz, seek teacher approval on these corrections, and come after school to complete a quiz retake.
- 6- Attend after-school or lunch help when necessary to better understand the concepts taught in class. Do not fall behind - all concepts in Geometry build upon previously learned content.
- 7- Keep ALL electronic devices hidden at all times. This includes headphones, I-pods, cellular phones, cameras, portable game systems, etc. An electronic device out in class will be confiscated and turned in to the administration - no questions asked.

8- Come to class ready to work and learn everyday, and have a positive attitude about learning Algebra. Be actively engaged in each lesson - you will only get out of this class what you put into it.

9- Be a STARR student everyday following the school code of conduct:

Safety
Tolerance
Achievement
Respect
Responsibility

Communication: All parents with Internet access available will have the ability to monitor progress and check student grades and missing assignments at any time (24 hours a day, 7 days a week) using Powerschool. The school will provide you with a username and password in order to access grades and monitor progress. Progress reports will not be handed out to students on a regular basis. Please contact me at any time if you have specific questions or concerns about student progress.

I will also maintain and update a website where parents can access information regarding daily and weekly assignments, upcoming assessments, announcements, and obtain electronic copies of handouts.

Teacher Contact Information:

Mrs. Zaborowski
Room
Email: jzaborowski@scslakeview-k12.com
Phone: 586-445-4130 ext.
Website:

Geometry Grading Policies:

Starters:	5 points each week (due on Friday)
Homework:	5 points per day
Quizzes:	100 points
Tests:	100 points

Each marking period grade will be calculated as follows:

80% Summative Assessments - Tests and Quizzes
20% Formative Assessments - Homework, Starters, etc...

**** Notes will not be permitted on any tests or quizzes. ****

Final End-of-Year Grades will be calculated as follows:

22.5% -- Marking Period 1
22.5% -- Marking Period 2
22.5% -- Marking Period 3
22.5% -- Marking Period 4
10% -- Final Exam

Attributes of a Successful Geometry Student:

- ❖ The student makes sense of problems and perseveres in solving them.
- ❖ The student reasons abstractly and quantitatively.
- ❖ The student constructs viable arguments and critiques the reasoning of others.
- ❖ The student models mathematics.
- ❖ The student uses appropriate tools strategically.
- ❖ The student is precise.
- ❖ The student looks for and makes use of structure.
- ❖ The student looks for and expresses regularity in repeated reasoning.