



Welcome to Geometry!

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Course Description:

This course is designed to emphasize the study of the properties and applications of common geometric figures in two and three dimensions. It includes the study of transformations and right triangle trigonometry. Inductive and deductive thinking skills are used in problem solving situations, and applications to the real world are stressed. It also emphasizes writing proofs to solve (prove) properties of geometric figures.

MSHS has adopted a dynamic online curriculum that is designed to aid in discovery and give deeper understanding to mathematical concepts. Many of these dynamic explorations, homework assignments, and textbook references will be done via chromebook. Online access codes and enrollment will happen at the start of school. It is important to understand how to use the online resources, as they will be used for the rest of the school year.

Classroom Rules:

- 1) **Be Respectful** towards the teacher/substitute and fellow classmates.
- 2) **Be Responsible** by coming to class *prepared* to learn and participate.
- 3) No food or drink in the classroom. (Water will be allowed ONLY)
- 4) No cheating.
- 5) **Be Safe:** Follow the rules of the student handbook.

Homework (15%): All homework will be graded based on accuracy. Most assignments will be completed through Big Ideas Math online. When worksheets are assigned, the teacher will pre-pick 4 problems to be graded for correctness. Students won't know which 4 will be graded. Students will be provided with a way of checking answers before it will be graded by a teacher. If a student is unable to reach the correct answer, their teacher is more than happy to work with the student. Simply ask for help! When appropriate, a correct answer without work will not be given full credit. Homework assignments will be due at the beginning of class the day after it is assigned. You will be allowed only **1 late assignment per quarter** so assignments should be done every day! If you are interested in having a hard copy of the textbook, you can check one out from your classroom teacher. Additionally, the digital textbook is downloadable to your chromebook.

Each assignment will be worth 4 points. The table below shows the breakdown of points:

Points Awarded	0	1	2	3	4
Accuracy	0-19% correct	20-39% correct	40-59% correct	60-79% correct	80-100% correct

Test (50%) and Quizzes (35%):

A test will be given at the end of each chapter. They may include, but are not limited to, matching with vocab, true/false, always/sometimes/never, and short answer. A **retake test** (different/sometimes harder version) may be taken if you receive a 75% or lower. However, the best grade you may receive on a retake is a 75%. The retake has to be taken within a week from when the original test was passed back. Quizzes will be given every 2-3 sections. Quizzes can NOT be retaken. There will be problems where work is required for full credit and partial credit may be awarded.

* Teachers reserve the right to make alterations or changes to any part of the syllabus at any time throughout the course.

Absences:

When a student is absent, it is their responsibility to find out what was missed, make up any tests/quizzes, and pick up any handouts. There is a chapter calendar posted online to find out the assignments, videos, or assessments that were missed.

Cell Phones:

1. The use of cell phones and other electronic devices (such as ear buds) is prohibited in academic spaces. Cell phones must be turned off during instructional time and placed in the classroom cell phone caddies.
2. Cell phones and other electronic devices may be used before and after school, during passing periods and lunch, and during an emergency.
3. Cell phones may not be used in any manner that will cause disruption to the educational environment or will otherwise violate student conduct rules. Any use of cell phones in the locker rooms or bathrooms is strictly prohibited.
 - a. 1st Offense: Cell Phone confiscated, turned into the office, and returned at the end of the day; Teacher contacts home and administration will issue student discipline for insubordination
 - b. 2nd Offense: Cell Phone confiscated, turned into the office, and returned at the end of the day; Teacher contacts home and administration will issue progressive student discipline for insubordination
 - c. 3rd Offense: Cell Phone confiscated, turned into the office, and parents will be required to pick up the device in the school office; Teacher contacts home and administration will issue progressive student discipline for insubordination

Help:

Please come get help right away if you are in need! The material in this course builds on itself so it is very important that you are proactive. Help is usually available every day before and after school for at least a half an hour. Please let your teacher know if you are wanting to stop in so they can be sure to be available. Please get a pass from me ahead of time if you would like to come from a study hall during my free period. Some days, advisory could also be available for assistance. I am free **4th period** and **8th period** each day and possibly during **6th period**.

Supplies: Have these by next Monday.

- **CALCULATOR!!** You need a scientific (or higher) calculator. I recommend getting a Texas Instruments TI-30XIIS or TI-30XS MultiView. You need SIN COS TAN buttons on the calculator. A graphing calculator may be used but is not necessary. Consider a calculator as part of your “work uniform” for this class.
- **Binder:** A 1” or 1½” three ring binder. I will provide note sheets and worksheets that are always three-hole punched. This is to help you stay organized. If you need help organizing, just ask.
- **Suggested but not required** - Dividers for your binder.
- Loose leaf paper or a spiral notebook. You need lined paper on which to complete your homework.
- Sharpened pencil or mechanical pencil. Math is best done with pencil...we ALL make mistakes!
- Graph paper is *recommended* but not mandatory.

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Website: There is a website that contains many helpful resources. BOOKMARK IT!!! The website is:

<https://sites.google.com/ms.k12.il.us/mshs-geometry>

There is a vocabulary glossary that can be used for definitions on each practice test. The calendar, important announcements, lesson videos, completed note sheets, and worksheets are there in case of absences. Answers to practice tests and quiz reviews are also posted.

Grading Scale:

A	93-100	B+	87-89	C+	77-79	D+	67-69
A-	90-92	B	83-86	C	73-76	D	63-66
B-	80-83	C-	70-72	D-	60-62	F	Below 60

Material that will be covered

~Chapter 1: Basics of Geometry
~Chapter 2: Reasoning and Proof
~Chapter 3: Parallel and Perpendicular Lines
~Chapter 5: Congruent Triangles
~Chapter 6: Relationships Within Triangles
~Chapter 7: Quadrilaterals and Other Polygons
~Chapter 8: Similarity
~Chapter 9: Right Triangles and Trigonometry
~Chapter 10: Circles
~Chapter 11: Circumference, Area, and Volume

Chapters 1-6 will be during 1st semester and chapters 7- 12 will be during 2nd semester.

Online Textbook:

At the beginning of the year you will be enrolled and sign up for your dynamic classroom account. This will include the ebook, classroom explorations, videos/tutorials, step-by-step examples, homework assignments, and other reference material. If at any point you have trouble with the online component, please make sure you get help to locate all the materials you need. Not knowing how to access the online homework is not a valid excuse for not completing the assignment!

Title of book: Big Ideas MATH Geometry: A Bridge to Success, 2019
Ron Larson and Laurie Boswell


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How do I register for the course?


Visit the website www.bigideasmath.com and click on the link at the bottom right that says “New to Big Ideas Math?” When prompted enter your teacher’s access code to be entered in the class. Once the access code has been submitted, you will be redirected to a new page to enter in your information. After hitting next, you will receive a username to login.

- Access Code: _____
- Please use your school ID number
- **Write down your username and password so you don’t forget!**

How do I complete an assignment?

Once you are logged in at bigideasmath.com, click on the menu icon in the top right corner (looks like ) you select “Assignments” at the top of the page. If the teacher has created an assignment, it will be listed for you to click on and complete. You can see “To Do”, “Overdue”, and “Submitted” assignments.

While you are taking the assignment:

- Make sure you can see all the options by zooming out or scrolling on your screen. (To zoom in or out, hold down the ctrl button and hit + (to zoom in or enlarge) or - (to zoom out or make smaller) at the same time)
- CHECK each problem as you go. If you submit the assignment before checking the problem you are not using your attempts and will receive the grade based on your first attempt.
- If you do check a problem and it is incorrect, the help button (right next to check) will guide you through with an informational video to help explain concepts that were misunderstood.
- You will need to have a pencil and paper ready when starting an assignment. Some problems will require work and you will be graded for showing work.
- Assignments need to be submitted by the BEGINNING of class. Assignments submitted after will be considered late and will follow the late assignment policy (only one late assignment per quarter)
- Before submitting an assignment, check to make sure all problems are fully completed. Click on the  icon titled “Overview” to see if you have any flagged, unattempted, or partially attempted problems
- When you are in an assignment, hit, Save and Exit if you aren’t quite done, or Submit if you are completely finished. You must hit SUBMIT in order to turn the assignment in. If you are having issues or simply like to work problems out on paper, you could print the assignment but you still need to submit it online so that your teacher can access the data.