



# Progressive Geometry

2015-2016

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## Course Description

- ◆ Aim: Geometry develops logical reasoning, an appreciation of math formulas, geometric forms, relationships, and to apply algebra to problem solving with geometric relationships.
  - ◆ Length: One full year course
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## Course Objectives

Upon completion of this course, the student will:

1. Make sense of problems and persevere in solving them.
  2. Reason abstractly and quantitatively.
  3. Construct viable arguments and critique the reasoning of others.
  4. Model with mathematics.
  5. Use appropriate tools strategically.
  6. Attend to precision.
  7. Look for and make use of structure.
  8. Look for and express regularity in repeated reasoning.
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## Course Units

Quarter 1	Quarter 2	Quarter 3	Quarter 4
→ Exploring Geometry	Parallel Lines and Transversals	Triangles and Quadrilaterals	Proportion and Similarity

→ Thinking Geometrically : Using Proofs	Using Algebra: Lines in a Coordinate Plane	Congruent Triangles and Transformations	The Pythagorean Theorem
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## Materials

Spiral Notebook and Pencil

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## Skyward Grading

Score Method	Term Grades (MHS Policy)	Grading Scale (MHS Policy)
Total Points  <i>or</i>  Weighted Grades <<replace with weighted percentages>>	<b>Fall</b> Quarter 1=40% Quarter 2=40% End of Course Assessment=20%  <b>Spring</b> Quarter 3=40% Quarter 4=40% End of Course Assessment=20%	A=90%-100% B=80%-89% C=70%-79% D=60%-69% F=Below 60%

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## Make-Up Work (MHS Policy)

Papers, assignments, tests, etc. that were announced while the student was in attendance prior to the absence are due to be submitted or completed on the day the student returns to school. A student will be allowed two (2) school days for each day of excused absence to make up material presented during the absence. Make-up time is not to exceed ten (10) days from the time a student returns to school after an absence. Additional time may be granted at the principal's discretion under extenuating circumstances. When a student has been absent for three (3) or more consecutive school days due to illness or excused absence the parent or student may call the Attendance Office to request make-up homework be sent to the office for pick-up. Please allow 24 hours for teachers to respond before coming to the office to pick up work. **In the case of pre-arranged absences, it is the responsibility of the student to contact individual teachers for any make-up work prior to the absence.**

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## Late Work

If Independent work is not completed during class time then it is assigned as homework. Any student can redo an assignment for a better grade.

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## Classroom Rules and Procedures

**School policies will be enforced.** Students are expected to understand policies outlined in the student handbook. A **student is considered tardy** if s/he is not in her/his seat working on the warm-up when the bell rings.

### Classroom Rules:

1. Listen and follow directions.
  2. Raise your hand before speaking or leaving your seat.
  3. Keep your hands and feet to yourself.
  4. Respect your classmates and your teacher.
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## Discipline

### Consequences:

1. Official Warning
  2. Timeout/Desk Change
  3. Student/Teacher Conference and parent contact
  4. Detention
  5. Referral to Principal
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## Academic Integrity (MHS Policy)

All work submitted by a student must represent his/her own ideas, concepts, and current understanding. All material found during research must be correctly documented/cited to avoid plagiarism. Any student caught cheating or plagiarizing on course assignments or exams will lose credit for that assignment or exam. The teacher will notify parents. Students may be subject to disciplinary action, including a parent conference.

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## Student & Parent Resources

School Website: <http://mhs.msd134.org/>

**Khan Academy** is another great resource for extra help. They have recorded videos of every math lesson we cover. Visit [khanacademy.org](http://khanacademy.org) and search for the topic you need help with.

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## Other Information

### Extra Help!

I am available before and after school for questions and extra help. I recommend you take advantage of this opportunity in order to be successful in math and attain your learning goals. This effort will be reflected in your grade and demonstrates responsibility. I am available at 7:45 in the mornings and until 3:30 after school. Please see me to make other arrangements if these times do not work.

