

# Foundations of Geometry Syllabus

## Mrs. Stallings, Room 1720

**Textbook:** McDougal Littell - Geometry

**Course Website:** [www.classzone.com](http://www.classzone.com)

**Recommended Calculator:** TI-30, TI-83, TI-83 plus, TI-84, or TI-84plus

**Wikispace:** <http://mrsstallingsmath.wikispaces.com>

**Email:** [christine\\_stallings@etownschools.org](mailto:christine_stallings@etownschools.org)

**Course Description:** We will be investigating geometric concepts including two-dimensional and three-dimensional geometric figures, deductive reasoning, surface area, volume, congruency, similarity, and coordinate geometry. You will be applying skills you learned in Algebra to identify the new geometric concepts.

### Course Outline:

The following topics will be covered throughout the course.

- General Terms and Definitions
- Logic and Reasoning
- Perpendicular and Parallel Lines
- Triangle Congruence
- Properties of Triangles
- Quadrilaterals
- Similarity
- Right Triangles
- Circles
- Area
- Surface Area and Volume

**Videos:** The following videos may be used during the course.

- [History Channel – Modern Marvels](#)
- [World of Geometry](#)
- [Exploring Solid Geometry](#)

**Grading Policy:** Your grade will be calculated using a point system that automatically weighs the value of each assignment, activity and assessment. The assessments will be worth approximately 50% of your overall grade.

## **Teacher/Student Expectations:**

RESPECT is contagious – if you give it, you’ll get it! I promise to work with you and guide you through this course. I will respect each of you as individuals and do my best to help you reach your greatest potential in math. I ask that you show me the same respect and that you respect your fellow classmates. My classroom is a place where every voice has a right to be heard – one at a time.

Basic classroom rules:

- Be prepared for class (calculator, pencil, notes...)
- Participate and cooperate (Oxford definition of cooperate: “work or act together, assist, collaborate, work together, join, unite, interact, team up, contribute, lend a hand, help”)
- Do not talk out of turn
- Follow all school rules
- Due to potential allergies, food will not be permitted in the classroom unless permission is granted in advance. All drinks should have a spill-proof lid.
- Cell phones should be off and out of sight at all times unless otherwise directed.

- Classroom Procedures:**
- Be on time to class and in your seat before the bell rings.
  - When the bell rings, be ready to listen to the instructions for the day’s activity and complete the “Do Now” written on the board.
  - Keep your notebooks/folders organized. You may need to find a previous day’s work in order to complete a new task.
  - If you need to sharpen your pencil or get a tissue, you do not need to ask permission. Please get up quietly and get what you need.
  - If you need to leave the room for any reason (bathroom, locker, nurse, etc.), please ask permission. You will need to sign out on my sign-out sheet, and get a signed pass (either your agenda or a yellow pass.) Unless it is an emergency, try to avoid interrupting whole-class discussions or times when I am giving directions for an activity. Also keep in mind that there may be times when I do not allow you to leave.
  - If you want your voice to be heard, raise your hand and wait patiently for your turn. Please do not speak out while others are speaking.