

Streamwood High School

Syllabus for Geometry/Honors Geometry

Rita Gamboa

630-213-5500 ext. 8504

ritagamboa@u-46.org

Office: C202

Office Hrs: periods 1, 4, 5

Heather Ekstrom

630-213-5500 ext. 8685

heatherekstrom@u-46.org

Office: C202

Office Hrs: periods 1, 3, 5

Michelle Mendez

630-213-5500 ext. 4969

michellemendez@u-46.org

Office: C202

Office Hrs: periods 3, 6, 7

Julie Huber

630-213-5500 ext. 8262

juliehuber@u-46.org

Office: C202

Office Hrs: periods 2, 4, 8

Rob Pascolini

630-213-5500 ext. 5574

robpascolini@u-46.org

Office: C202

Office Hrs: periods 2, 3, 7

Course Description: This course is designed to give students the ability to solve problems using geometric concepts. Students will gain a solid understanding and develop the skills needed to apply the following concepts to problem solving: angles, parallel and perpendicular lines, triangle relationships, quadrilaterals, polygons, circles, area, surface area, volume, and right triangle trigonometry.

Textbook and Materials:

- Calculator: TI-30X IIS (the calculator must have trigonometry capability) or graphing calculator.
- A three ring binder (1 ½ inches wide) with five dividers for Geometry **ONLY**.
- It is the student's responsibility to keep a neat, clean, and organized binder.
- You **MUST** bring binder, colored pens, highlighter, loose-leaf paper and pencil to class every day.
- Finally a **box of tissue**.

Course Objectives/Learning Outcomes

The student will be able to:

- recognize, understand, and use the vocabulary and symbols of geometry
- measure with a variety of devices
- draw conclusions, prove theorems and give justifications
- understand and work with two and three dimensional objects
- manipulate calculators
- understand and apply right triangle relationships
- apply ratios and proportions in geometric figures
- understand the concepts of area and volume

Course Organization:

Semester 1: Will focus on Transformations in the Plane, Congruency and Coordinate Geometry.

Semester 2: Will focus on Similarity, Right Triangle Trigonometry, Area, Volume and Circles.

***This order that the material is covered may be revised slightly based in the implementation of a district wide curriculum.*

Course Policies:

Attendance/Tardiness: Regular attendance and being on time to class are expected for all classes.

Absence from school is the greatest single cause of poor achievement in school. Successful students are seldom absent or tardy. The High School Attendance Program will be followed as outlined in your student handbook.

Class Participation: Students are expected to participate in class by taking lecture notes and engaging in class discussions and activities.

Missing Assessments/Late Work If you are absent from class and the absence is excused your assignments will be due within the number of days equal to the number of excused absences. For example: *If you miss three consecutive days and all are excused then your homework will be due the fourth day after you have returned.*

Electronic Devices: Students are responsible for the safe keep of their electronic devices. Students are allowed to use electronic devices in the green zone before and after school and anytime during periods 1-8. The green zone is Cafeterias A, B, & C. The green zone is marked with green tape. The rest of the building is a red zone. Students who use their electronic device in the red zone will have their device taken away and **cannot get it back until a PM is served**. SHS is **not responsible** for lost or stolen electronic devices. Cell phones and iPods may not be used as calculators in class. ***Students need a calculator for this class.***

Academic Dishonesty: Academic Dishonesty refers to cheating, copying, plagiarizing, or otherwise representing the work of others as one's own through verbal, written, graphic, electronic, or other means. Students determined to have been academically dishonest are subject to disciplinary action. Consequences will depend on the severity of the offense, the number of offenses, the impact on other students and teachers, and/or the curriculum. Academic dishonesty undermines the learning process and will not be condoned.

Instructional Methods:

- Demonstration, class discussion, lecture and note taking
- Hands-on applications
- Group work and activities
- Board work and worksheets
- Possible computer activities

Grading and Assessment:

The district grading scale will be used:

| | | |
|---|-------------|---|
| 4 | Mastery | A |
| 3 | Proficiency | B |
| 2 | Basic | C |
| 1 | Below Basic | D |
| 0 | No Evidence | E |

Summative Assessments may include, but are not restricted to Unit/Topic Tests, Projects, and Presentations.

Formative Assessments may include, but are not restricted to Assignments, Quizzes, Projects, Entrance and Exit Slips.

Formative and summative assessments will be given on a regular basis. If an honest effort is made on practice and the formative assessments, logic dictates that students will succeed on the summative assessments. We will typically review the previous day's work at the beginning of class before beginning the next lesson or activity. On occasion, student work will be collected to be graded.

The student's semester grade will be based on the summative assessments.

STUDENTS MUST COMPLETE ALL SUMMATIVE ASSESSMENTS EACH SEMESTER IN ORDER TO RECEIVE CREDIT FOR THE COURSE.

Students that do not complete all summative assessments will receive a **failing** grade.

If a student wishes to retake a summative assessment, that student must complete a retake request form and submit it to their teacher. The student, along with the teacher, will develop a retake action plan. Once the action plan is created, the student will have **10 days** to complete the plan and retake the assessment.

Classroom Behavior Expectations:

We are SHS:

- We are safe
 - *All students must wear their IDs.*
- We hold ourselves accountable
 - *All students should come to class time.*
 - *Students need to bring their book, binder, calculator, pencil and assignments.*
 - *Do your homework **on time** and get help (from me or your peers - peer tutoring is available) when you have questions. Everyone is expected to attempt every problem.*
 - ***Ask questions!***
 - *Use the web! www.brightstorm.com , www.classzone.com and www.geometryonline.com are very helpful.*
 - *If time is provided to work on assignments students will use that time to work on geometry and not assignments for other classes.*
- We show respect:
 - *Be respectful of self and others.*
 - *Have a positive attitude about learning 😊*
 - **Help your peers (and yourself) by **working together**.**
 - *Electronic Devices are not to be seen or heard once you enter the classroom.*
 - *Do not bring food or drink to class.*
 - *Do not leave a mess.*

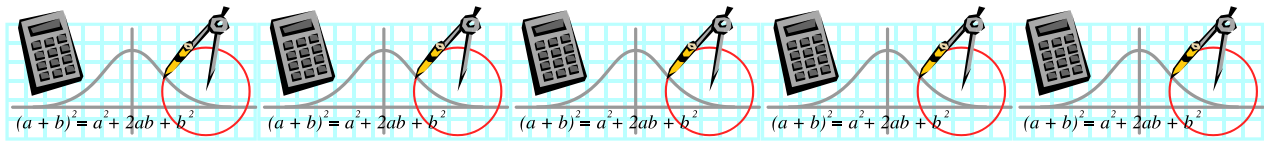
It is our goal to provide each student with an environment that is conducive to learning. Working together we will have a successful year! "The price of success is hard work, dedication to the job at hand, and the determination that whether we win or lose, we have applied the best of ourselves to the task at hand."

-Vince Lombardi

Student and Parent Acknowledgement

Period _____

Please read the syllabus, sign and return.



I have read and fully understand the course syllabus for Geometry 1-2.

Student Name: _____

Student Signature: _____

Student e-mail: _____

Parent Signature: _____

Parent e-mail: _____

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