Streamwood High School

Syllabus for Geometry/Honors Geometry

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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.

Materials:

- Calculator: TI-30X IIS (the calculator must have trigonometry capability) or graphing calculator.
- A three ring binder (1½ 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 your binder, colored pens, highlighter, loose-leaf paper and pencil to class every day.

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
- manipulate, create, interpret and use equations and formulas for circles

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.

The order that the material is covered may be revised slightly based on 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.* If you are absent on the day of a test or major assignment you are responsible for meeting with your teacher on the day you return to schedule a time to complete the test or assignment. The expectation is that the test/assignment will be completed within one to two school days after you return. Tests will be taken with your teacher.

Electronic Devices: Electronic devices are defined as cell phones, Ipods or other MP3 player, earbuds/headphones, and gaming platforms. Students are responsible for their electronic devices. Students who use their electronic device inappropriately will be issued a detention and the phone will be confiscated through the dean's office. A parent conversation will occur. Use of electronic devices in the Geometry classroom is **NOT ALLOWED** for any reason. Cell phones may not be used as calculators in class. **Students need a calculator for this class.** SHS is **not responsible** for lost or stolen electronic devices.

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.

Assessment and Grading:

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

Assignments checked based on completeness will be marked and recorded using the following table.

Completeness	
Mark	**Meaning**
Turned In	At least 75% complete
Incomplete	At least 50% complete
Missing	Less than 50% complete

Assignments checked for accuracy will be marked and recorded using the following table.

Accuracy	
Mark	**Meaning**
G	Got it!
P	Progressing
N	No, Not Yet

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.
Summative Assessments may include, but are not restricted to Unit/Topic Tests, Projects, Presentations and are over entire Reporting Standards that will ultimately be used to determine the student's final grade. Each Reporting Standard will be graded using a rubric with specific descriptions and expectations for each level of mastery. The different levels of mastery are listed in the following table.

Standards Based Learning and Assessment (SBLA):

Geometry classes use Standard Based Grading for Summative Assessments.

Standards Based Learning and Assessment (SBLA) Overview:
School District U-46 will continue to utilize Standards Based Learning and Assessment (SBLA) in its middle and high schools in 2017-2018. SBLA is an approach that provides clear and specific learning standards that are shared with students, parents, teachers and administrators. These standards establish what a student must know and be able to demonstrate do in order to show proficiency in a course's content. SBLA requires teachers to assess students' progress on a scale from 0 to 4, with 4 indicating "mastery" of the subject matter – meaning students have learned the required key concepts and skills in that particular course.

SCORE	DESCRIPTION
4-Mastery	Tasks or the target of instruction allows students to apply their knowledge and skills to new or related situations and scenarios. A mark of 4 indicates not only evidence of application and analysis but also includes synthesis and evaluation.
3-Proficient	Tasks or the target of instruction consists of complex knowledge, skills, application, and analysis.
2-Basic	Tasks are basic recall and simple skills which include knowledge and comprehension.
1-Below Basic	There is some evidence of emerging simple skills, there are gaps in knowledge and unreliable comprehension skills are seen.
0-No/Insufficient Evidence	There is no evidence of learning including missing work and incomplete work.
NE-Not Evaluated	This standard has not been evaluated at this time

How Grades Are Determined:
Students are graded on each standard based on a rubric that is specific to each reporting strand. Students will receive the appropriate rubric at the start of each instructional unit. The summative assessments for each standard are not averaged. At the end of the course, the student's final grade will be a composite ranking in each of the course standards. The teacher will use the double majority matrix to make a professional decision based on evidence for the final grade of each standard The double majority matrix will identify the two marks that were evidenced most frequently during the course. These two marks will identify the appropriate mark for the course.

Bi-modal Calculations: Proficiency Score For Each Standard

4	3	2	1	0
4-4	3-3	3-1	2-0	0-2
4-3	3-2	3-0	1-3	0-1
3-4	2-4	2-3	1-2	0-0
		2-2	1-1	
	4-1	2-1		1-0
4-2	4-0	1-4	0-4	
			0-3	

Bi-modal Calculations: Projected Letter Grade

A	B	C	D	E
4-4	3-3	3-1	2-0	0-2
4-3	3-2	3-0	1-3	0-1
3-4	2-4	2-3	1-2	0-0
		2-2	1-1	
	4-1	2-1		1-0
	4-2	4-0	1-4	0-4
				0-3

****The student's semester grade will be based <u>exclusively</u> on their summative assessment scores.****

STUDENTS MUST COMPLETE ALL SUMMATIVE ASSESSMENTS EACH SEMESTER IN ORDER TO RECEIVE CREDIT (A PASSING GRADE) FOR THE COURSE.

THEREFORE: STUDENTS THAT DO NOT COMPLETE ALL SUMMATIVE ASSESSMENTS FOR THE TERM WILL RECEIVE A FAILING GRADE FOR THAT TERM.

<u>Summative Assessment Retake Policy:</u>

If a student wishes to retake a summative assessment, that student <u>must complete a retake request form within 3 school days of the original test being returned</u> 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 <u>10 calendar days</u> to complete the plan and retake the assessment. If the retake is not completed during the allotted time period, the original assessment grade will be the official grade.

Only ONE retake will be allowed for any Unit Assessment

<u>WHEN AN ASSESSMENT IS RETAKEN, THE SCORE ON THE RETAKE WILL BE THE OFFICIAL SCORE FOR THAT ASSESSMENT—EVEN IF IT IS LOWER THAN THE ORIGINAL SCORE</u>

Students with three or more Summative Assessment scores of Zero (0) during either first or second semester <u>WILL NOT EARN A PASSING GRADE FOR THAT TERM</u>.

Grading Flexibility:.

Infinite Campus is the District's grading program. Student's scores on Formative and Summative assessments will be entered into the program as regularly and timely as possible. It is the student's and parent's responsibility to regularly check the website for grading updates. Grading is an imprecise process. At times, grades in Infinite Campus are not a true reflection of the student's grasp of the content material, understanding of the course themes, and mastery of the course goals. The teacher reserves the right to adjust grades appropriately based on the entire picture of a student that develops over the course of the year

***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 when you have questions. Everyone is expected to attempt every problem.*
  - ***Ask questions!***
  - *Use the web! www.khanacademy.org , 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 leave a mess.*

Request for Re-take Form: Geometry

If you wish to retake a summative assessment, the following form **must be completed**.

Step 1: Fill in the blanks:

Student Name_____ Today's Date_____

Teacher's Name_____

Assessment Name_____Grade Recieved_____

Did you study? _____Yes,a lot! _____Yes, a little bit _____No, not at all
(Please be honest!)

Write a multi-sentence explanation as to why you performed this way (again, be honest):

Step 2: Have a parent/guardian sign this sheet so they are aware of your performance and what needs to be done.

Signature:_____ Date_____

Step 3: Action Plan:

_____

_____

_____

_____

Student Signature_____

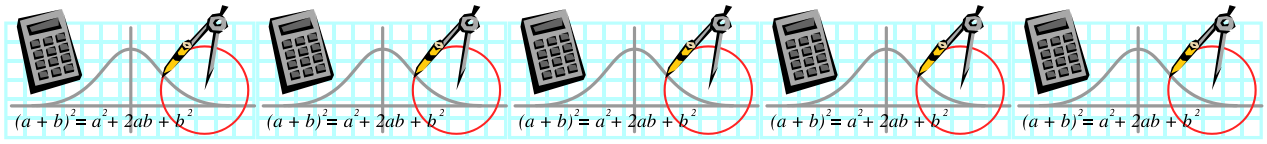
Teacher Signature_____

Step 4: Bring this sheet, and COMPLETED Action Plan to your teacher for a one-on-one meeting **WITHIN THREE SCHOOL DAYS** of receiving it. If you are having difficulties completing the Action Plan, please see your teacher with questions.

Final date for Summative Assessment Retake_____

Student and Parent Acknowledgement Period___

Please read the syllabus, sign and return.



By signing below, I attest that 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: _____

By signing below, I attest that I have read and fully understand the <u>ASSESSMENT RETAKE POLICY</u> for Geometry 1-2.

Student Name:_____

Student Signature:_____

Student e-mail:_____

Parent Signature:_____

Parent e-mail: _____