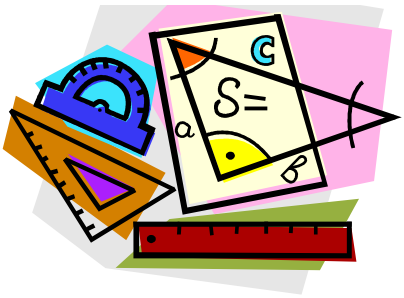

Honors Geometry

Instructor: Ms. Eshelman
kris.eshelman@lfcsinc.org

Textbook

McDougal Littell *Geometry*, California Edition, 2007
website: practice, homework help, extra examples
http://www.classzone.com/cz/books/geometry_2007_na/book_home.htm?state=CA
Ms Eshelman's web site : syllabus, homework, study links
https://sites.google.com/a/lfcsinc.org/ms-eshelman-s-math-page/ can also link from Liberty site

The goal of the honors program is to equip students with the skills they need to be successful in more rigorous higher level mathematics classes. The focus is on critical thinking skills and mathematical proofs

What makes the Honors course unique?

Beginning this year, Honors Geometry will follow a flipped classroom model. This is a form of blended learning in which students learn new content online by watching video lectures, usually at home, and what used to be homework (assigned problems) is now done in class with teachers offering more personalized guidance and interaction with students, instead of lecturing. There will be an emphasis on in class investigations. **Internet access required.**

In addition the Honors class has these characteristics:

- faster pace
- rich treatment of topics- ask why
- one project per quarter
- writing component

Course Description:

The main purpose of the geometry curriculum is to develop geometric skills and concepts and the ability to construct formal logical arguments and proofs in a geometric setting. Geometry is a comprehensive course featuring coverage of geometric terms and processes, logic and problem solving.

Content and Performance Standards:

Common Core Standards will be addressed in this course. Please visit the website of the California State Board of Education for a list of applicable standards. Go to: www.cde.ca.gov/be/st/ss/mthmain.asp , then click on Geometry for the appropriate list of standards.

8 Mathematical Practices

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.

Geometry Course Overview

- **Geometric Transformations – Unit 1**
- **Angles and Lines – Unit 2**
- **Triangles – Unit 3**
- **Triangle Congruence – Unit 4**
- **Similarity Transformations – Unit 5**
- **Right Triangle Relationships and Trigonometry – Unit 6**
- **Quadrilaterals – Unit 7**
- **Circles – Unit 8**
- **Geometric Modeling in Two and Three Dimensions – Unit 9**

Course presentation

- Group Work
- Partner Work
- Online videos/Flipped Classroom
- Computer Based Activities
- Projects
- Alternative Assessments

What does a Liberty Charter High School Student look like?
Expected Schoolwide Learning Results (ESLR)

1. Literate Citizen- Joshua Chamberlain
Students make connections among mathematical ideas, as well as math and other disciplines.

2. Responsible Community Leader- Harry Truman
Students increase their understanding of community by interpreting data and use the data to inform their involvement in the community.

3. Effective Communicator – Abraham Lincoln
Students will communicate precisely about quantities, logical relationships, and unknown values through the use of signs, symbols, models, graphs and mathematical terms.

4. Self- Directed Learner – Christopher Columbus
Students become problem solvers who can recognize and solve routine problems readily and can find ways to reach a solution or goal where no routine path is apparent.

5. Values Conscious Thinker – Anne Frank
Students show a habitual inclination to see mathematical as sensible, useful, and worthwhile. Students diligently make consistent decisions in line with their own efficacy, analysis, and values.

Homework Grading

Homework is generally assigned daily. It must be completed in pencil. Only a pen is allowed out during correcting time. Homework will be graded on a 3 point scale.

3 - all problems attempted, less than half wrong. Just writing the problem is not enough.
2- all problems attempted, more than half wrong
1- not all problems attempted
0 – assignment not completed

If you receive a 2 you may do corrections on a separate piece of paper. If you show all work, your grade will change to a 3. You make ask for help in class and/or make an arrangement with me to meet at another time.

The same is true if you receive a 1. You must show all work for the problems you did not do. Be warned that we will not be going over every problem in class. You will have to do some of the work outside class. If you follow directions your grade will change to a 2. You make ask for help in class and/or make an arrangement with me.

Late Work and Make-up Policy

Late work is not accepted. Make up work must be completed according to the school policy for excused absences. Work is due the number of excused days absent plus one additional day from the date of return to class. You must come in and correct the late work during break or lunch. You will receive two grace passes that will allow you to talk with me a seek permission to turn in work late.

Absences

Attendance in all classes for which a student is registered is an essential part of meeting the requirements to pass each course. Students will not receive credit for a registered course if they have more than 7 excused or unexcused absences within any one semester. Course absences can be made up by completing the missed course work through an independent contract provided the missed course work is completed within 2 weeks of the due date or by completing the missed course work during Saturday school.

Supplies:

1. Three ring notebook with 4 tabs
    a. Used to organize and store lecture notes, exams, quizzes, homework and graph paper.
    b. Keep everything organized and keep everything! Your binder tabs should be labeled 1. Notes , 2. Homework, 3. Exams, and 4. Graph paper.
2. Pencils/ Eraser
3. Colored pen
4. Highlighter
5. Paper both lined and graph
6. Scientific Calculator

Grading Policy: Grades will be updated after each chapter test.

1. Each semester will have one progress report and one report card with the semester grade.
2. The semester grade is based on a percentage. The semester grade will be weighted as follows: Homework/ Classwork 15%, Participation 10%, Quizzes/ 10% Unit Exams/Projects 45% and Final Exam 20%
3. The percentage grading scale is as follows:

A 94%-100%	B+ 87%-89%	C+ 77 %-79%	D+ 68%-69%
A- 90%-93%	B 84%-86%	C 74%-76%	D 66%-67%
	B- 80%-83%	C- 70%-73%	F Below 66%

Student Name _____

Parent/Student Sign Off Page

Syllabus/Procedures

I have read Ms. Eshelman's syllabus and procedures and understand the guidelines given for grading, necessary supplies, and behavior. . I understand that a supply check will be on Sept 2.

X_____

(Student Signature)

X_____

(Parent Signature)

Book Loan

I understand the mathematics book that my child is borrowing is on loan. If any of the books that he/she borrows are lost or damaged, appropriate fines will be assessed. The following list includes the title, book number and cost of the mathematics book that your child is borrowing from the school.

Book Title	13 digit Book Number (found in back of book)	Cost of Book
Geometry	_____	$_____

I have read and reviewed the book loan policy,

X_____

(Parent Signature)