

Geometry Syllabus

Mrs. McCraw

Freshman Academy

Center for Science and Technology

Teacher Contact Information		Instructional Philosophy
<p>Name: Mrs. McCraw Email: cmcraw@tfd215.org Phone: (708) 585- 2326</p> <p>Please feel free to contact me with questions and concerns. My planning period is from 11:25-12:15. (11:01-11:41 on Wednesdays.)</p>		<p>Students, teachers, and parents are on the same “team.” We need to work together to ensure student success. We are each an important piece of the learning puzzle. Together we can help each student to become a life-long learner.</p>
Course Description		Course Objectives
<p>Geometry is designed to develop logical reasoning techniques through the use of proofs and two and three-dimensional analysis. Previously learned Algebra concepts will be reinforced. Real life applications and problem solving are emphasized.</p>		<p>Students will explore the general concepts of patterns, points, lines, planes and angles. They will review midpoints and distances from Algebra, and will begin constructions. Students will be able to use the deductive system in Geometry. Students will be able to use segment and angle relationships. Students will use algebraic connections and logic to lead them into different proof styles. Students will be introduced to the properties of parallel and perpendicular lines. Students will use congruent triangles. Students will explore special segments in triangles as well as triangle inequalities. Students will explore polygons, with a special emphasis on quadrilaterals. Students will explore and use ratio and proportion. Students will explore right triangles, special right triangles, and trigonometric ratios in right triangles. Students will explore circles, their parts and their equations. Students will explore surface area and volume of three-dimensional solids.</p>
Major Course Unit/Topics		
<ul style="list-style-type: none"> ✓ Tools of geometry ✓ Perpendicular and Parallel lines ✓ Perimeter and Area ✓ Right Triangle Geometry 		<ul style="list-style-type: none"> ✓ Similarity ✓ Congruence ✓ Right Triangle Trigonometry ✓ Quadrilaterals ✓ Geometry in the Coordinate Plane
Major Projects/Assessments		
<i>Assignment</i>		<i>Evaluation</i>
<ul style="list-style-type: none"> ▪ Class work ▪ Sketchpad projects ▪ Homework 		<ul style="list-style-type: none"> ▪ Unit tests ▪ Quizzes ▪ Homework ▪ Classroom Activity

Classroom Procedures

In order to succeed in a mathematics class, you must practice. This practice is called homework. There will be a homework assignment nearly every day. In order for homework to receive full credit, it must be done on time. Bring your materials to class every day — this includes your book, something to write with, your planner book, your folder, paper, and a highlighter.

All school rules are followed in the classroom. This includes wearing your uniform correctly: navy blue polo tucked in and belted tan pants. You may wear a navy blue or white shirt underneath your polo. You will not be allowed into the classroom unless you are properly dressed. The tardy policy is strictly followed. Tardy refers to anyone not in his or her seat when the bell rings — running into the room creates a possible hazard to your classmates. This class is only 50 minutes long; use the bathroom during the passing periods. I will not give bathroom passes. The bell does not dismiss you; I do. Please wait for my signal to get up from your desk.

If you are absent, it is your responsibility to get the missed assignments. Usually they are posted on the assignment sheet. Homework and tests should be made up as soon as possible. No food or drink is allowed in the classroom except water. Please be sure the water is in a plastic bottle (no glass.) All food should stay in the cafeteria. Electronics are NOT allowed in the classroom. Please make sure your cell phone is turned OFF (not silent or vibrate.) No headphones or MP3 players. If I see any electronics, I WILL confiscate them.

Above all else, students are expected to show respect to me, to their classmates, and to themselves. It is my job to teach, just as it is your job to learn. Do not impede the learning of others. All students are responsible for the classroom policies and procedures. I reserve the right to amend these procedures as necessary.

If you are struggling with this class, it is up to you to ask for help. I am usually here before and after school for tutoring — just let me know before you come. Please feel free to talk to me anytime about classroom procedures or about your grades. Together we can make a difference and find success!

District 215 Grading Scale

All grades are based on total points earned out of total points possible.

100-90	A
89-80	B
79-70	C
69-60	D
59- & Below	F

Materials/Supplies

- Notebook or loose-leaf paper
- Pencil
- Textbook
- Scientific calculator
- highlighter

Parent/Guardian Signature

By signing, I acknowledge that I have read these expectations and will do my best to help my child follow them.

Student Signature

By signing, I acknowledge that I have read these expectations and will do my best to follow them.

Email:

Email:

Phone: