Geometry

Dr. Moad
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Geometry Course Description:

Geometry is the study of the properties, measurements and relationships of points, lines, angles, plane figures, surfaces and solids. Relationships studied include similarity and congruence. Geometry approaches the study from an historical and logical perspective centering on real-life applications. Algebraic relationships are integrated throughout the course in an attempt to keep the skills learned in Algebra I sharp and to show students the relationships between the two branches of mathematics. The study of Geometry is also an opportunity for students to study and develop an appreciation for a complete mathematical system of logical thought. Logic and learning to write a correct mathematical argument is studied and formal proofs are used in establishing the properties and relationships studied in Geometry.

Geometry formalizes and extends students' geometric experiences from the middle grades. Students explore more complex geometric situations and deepen their explanations of geometric relationships, moving towards formal mathematical arguments. Six critical areas comprise the Geometry course: Congruency and Similarity; Measurement; Analytic Geometry; Circles; and Polyhedra. Close attention should be paid to the introductory content for the Geometry conceptual category found in the high school INCC The Mathematical Practice Standards apply throughout each course and, together with the content standards, prescribe that students experience mathematics as a coherent, useful, and logical subject that makes use of their ability to make sense of problem situations.

• Recommended Prerequisite: Algebra I
• Credits: A two credit course
• Fulfills the Geometry/Integrated Mathematics II requirement for the Core 40, Core 40 with Academic Honors and Core 40 with Technical Honors diplomas and counts as a Mathematics Course for the General Diploma

Unit Concepts to be Taught/Learned in Geometry			
Grading Period 1	*Grading Period 2*	*Grading Period 3*	*Grading Period 4*
Points, Lines, Planes	Triangles	Right Triangle with Trigonometry	Circles
Parallel and Perpendicular Lines	Triangle Similarity	Polygons	Surface Area &Volume
Reasoning and Proofs	Constructions and Modeling	Circles	Transformations

Harrison P.R.I.D.E. Expectations

P **PREPAREDNESS**	Be **on time** to class by being in the classroom before the bell rings. Bring the necessary materials to class with you every day (pencil, paper, binder, calculator and completed assignments). Be dressed for success.
R **RESPECT**	Respectfully listen and follow directions. Help create a classroom environment that is conducive to learning.
I **INTEGRITY**	Take responsibility for YOURSELF and YOUR success. Be able to show what YOU have learned.
D **DETERMINATION**	Always be attentive and productive. Use your time wisely.
E **ENGAGEMENT**	Participate by taking notes, asking and answering questions, joining activities, and completing assignments.

Class Expectations:

- Be in the classroom when the bell rings.
- Come to class with necessary materials daily. (text, netbook, paper, writing utensil, calculator, notes)
- Respectfully listen and follow directions.
- Participate by taking notes, asking and answering questions, activities, and completing assignments.
- Be responsible for YOURSELF.
- Always be attentive and productive—use time wisely (sleeping/slacking is not permitted).
- Help create a classroom environment that is conducive to learning.
- If you have a question about a particular problem or section, you can ask Dr. Moad for extra help during 3rd period FLEX time or after school.
- **Unit Assessments** will be given once about every 2-3 weeks or as needed. Notification of dates will be given in advance to allow for proper preparation. (summative assessment)
- **Spiral Assessments** will be given every few weeks to keep content fresh. (summative assessment)
- **Homework** – Homework will be collected and graded. (formative assessment)
- **Opener** – Problems of the Day will be reviewed and assessed. Points are awarded based on topic of question (Algebra, Literacy, Vocabulary, Geometry concept). Late work is not accepted in the form of openers. (formative assessment)
- **Activity** – Activities will take place often. They are not optional. (formative assessment)

Geometry Online Textbook and extra help: www.connected.mcgraw-hill.com

Select "Create a new account" button. Enter the Redemption Code shown above and click Register.
Enter your First Name and Last Initial then click Finish. Write down your Username and Password.
You will not see your username and password again please make sure you write it down and store it in a safe place

- Redemption Code: M5FX-O2VM-LMGO

Absence Policy:

- Work is not late until after the unit deadline passes. If you choose to turn in work after the test date, the *maximum* points possible will be half to zero of the original points.
- Make ups of assessments will not be given during class time. Make ups will be done after school or during Homeroom Flex. (or a combination of times)
- You may retest on any assessment two additional times. Please have your Post Test reflection Log completely filled out and scheduled with Dr. Moad.
- Be mindful of the 10 day policy for attendance, a loss of credit may result due to absences. (see EVSC website)

Grading Scale:

100% - 90%	A
89% - 80%	B
79% - 70%	C
69% - 60%	D
59% and below	F

Gradebook Procedures

In RDS, there will be 4 categories that all recorded grades will be calculated using:

FORMATIVE ASSESSMENTS	15%
UNIT ASSESSMENTS	60%
SPIRAL ASSESSMENTS	10%
MIDTERM	15%

Each recorded grade will be determined into these categories and also have a description of assignment/assessment/standard

Semester Grade Figuration:

(Grading Period 1) + (Grading Period 2) = 80%

Final Exam - 20% NO EXEMPTIONS