

Geometry Essentials **SAMPLE SYLLABUS**

Textbook: "A Guide to The World of High School Geometry", Arora

ISBN# 9798409214272

Instructor: Mr. Casper, mathjam.academy

Course Schedule

Week #	Topic	Sample 9:00 - 10:15 am	Date	Sample 9:00 - 10:15 am	Date
1	Chapter 1: Getting to Know Geometry	Monday (1.1-1.3)		Wednesday (1.4-1.5)	
2	Chapter 2: Angles, Angles, Angles!	Monday (2.1-2.2)		Wednesday (2.3)	
3	Chapter 3: Proofs & Conditionals	Monday (3.1-3.3) Quiz #1 (1-2)		Wednesday (3.4-3.6)	
4	Review Units (1 - 3) & Test	Monday (Review 1- 3)		Wednesday Unit 1 Test	
5	Chapter 4: Parallel and Perpendicular	Monday (4.1-4.4)		Wednesday (4.5-4.7)	
6	Chapter 5: Transformations	Monday (5.1-5.3)		Wednesday (5.4-5.5)	
7	Chapter 6: Triangles and Polygons	Monday (6.1-6.4) Quiz #2 (4-5)		Wednesday (6.2-6.8)	
8	Review and Unit 2 Test (4-6)	Monday		Wednesday Unit 2 Test	
9	Chapter 7: Quadrilaterals	Monday (7.1-7.3)		Wednesday (7.4-7.6)	
10	Chapter 8 Similarity	Monday (8.1-8.3)		Wednesday (8.4-8.5)	
11	Chapter 9: Trigonometry	Monday (9.1-9.4) Quiz #3 (7-8)		Wednesday (9.5-9.7)	
12	Review and Unit 3 Test (7-9)	Monday		Wednesday Unit 3 Test	
13	Chapter 10: Circles	Monday (10.1-10.4)		Wednesday (10.5-10.8)	
14	Chapter 11: Area	Monday (11.1)		Wednesday (11.2)	
15	Constructions	Monday (C1 - C4) Quiz #4 (10-11)		Wednesday (C5 - C8)	

16	Review and Unit 4 Test (10-Constructions)	Monday		Wednesday Unit 4 Test	
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Assignment and Grading:

This course is designed to ensure your students is competent in the High School Geometry and earn a High School grade. To do so, it is imperative that you and your student are aware of the assignments and their impact on the grade.

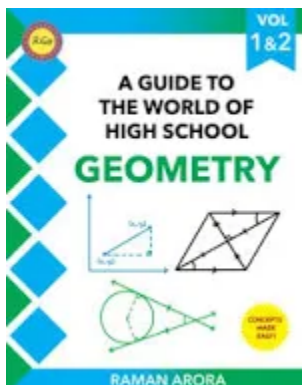
1. Classwork (10%): Using your student's notebook paper and/or graphing paper, weekly classwork is expected to be done in class and some perhaps finished outside of class. Each classwork assignment will be from the textbook and problems assigned are at Mr. Casper's discretion. At the beginning of each Monday class, I will ask to see your student's notebook for the classwork problems and give them a grade based on completion.
2. Homework (25%): Homework be continuously assigned throughout the whole course. All assignments will be posted on Google Classroom with accurate instructions and due dates. Homework will be assigned through two different modes: (1) Traditional, on paper from problem sets and (2) Online, using deltamath as a platform.
3. Quizzes (25%): There will be four quizzes throughout the course. To ensure efficiency, all quizzes will be proctored from the parents, outside of class. I will email each document to the parent and they will email it back within 24 hours. I will send back graded quizzes through email.
4. Tests (40%): There will be four tests throughout the course. To ensure efficiency, all tests will be proctored from the parents, outside of class. I will email each document to the parent and they will email it back within 24 hours. I will send back graded tests through email.

Support & Contact:

- Email: mathjam.clt@gmail.com
- Outside support: Every Thursday hold a "drop in jam" at Siler Presbyterian. 12:00 pm to 2:00 pm. \$25 per student; drop in anytime in that window.

Materials:

- Textbook: "A Guide to The World of High School Geometry", Arora
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- Scientific Calculator: TI-30XII2 or TI-84 PLUS
- Protractor
- Compass
- Graphing Paper (I suggest comp book that is only graph paper)
- Lined Paper (loose leaf, comp book or spiral notebook)
- Ruler