

Geometry (Grade 8)

6/20/2023 - 8/10/2023, Tuesdays & Thursdays 9:30 am-10:30 am

Instructor: Joshua Ho

Textbook : Geometry (California Version) Holt, Rinehart, and Winston ISBN-13 : 978-0-03-092345-6

Date	Time	Topics
6/20	9:30 - 10:30 am	Chapter 1: Foundations for Geometry Understanding Points, Lines, and Planes Measuring and Constructing Segments Measuring and Constructing Angles
6/22	9:30 - 10:30 am	Pairs of Angles Using Formulas in Geometry
6/27	9:30 - 10:30 am	Midpoint and Distance in the Coordinate Plane Transformations in the Coordinate Plane
6/29	9:30 - 10:30 am	Chapter 2: Geometric Reasoning Using Inductive Reasoning to Make Conjectures Conditional statements Using Deductive Reasoning to Verify Conjectures
7/4	9:30 - 10:30 am	Biconditional Statements and Definitions Algebraic Proof
7/6	9:30 am - 10:30 am	Geometric Proof Flowchart and Paragraph Proofs
7/11	9:30 am - 10:30 am	Chapter 3: Parallel and Perpendicular Lines Lines and Angles Angles Formed by Parallel Lines and Transversals
7/13	9:30 am - 10:30 am	Proving Lines Parallel Perpendicular Lines
7/18	9:30 am - 10:30 am	Slopes of Lines Lines in the Coordinate Plane
7/20	9:30 am - 10:30 am	Chapter 4: Triangle Congruence Classifying Triangles Angle Relationships in Triangles Congruent Triangles
7/25	9:30 am - 10:30 am	Triangle Congruence: SSS and SAS Triangle Congruence: ASA, AAS, and HL Triangle Congruence: CPCTC
7/27	9:30 am - 10:30 am	Introduction to Coordinate Proof

		Isosceles and Equilateral Triangles
8/1	9:30 am - 10:30 am	Chapter 5: Properties and Attributes of Triangles Perpendicular and Angle Bisectors Bisectors of Triangles Medians and Altitudes of Triangles
8/3	9:30 am - 10:30 am	The Triangle Midsegment Theorem Indirect Proof and Inequalities in One Triangle Inequalities in Two Triangles
8/10	9:30 am - 10:30 am	The Pythagorean Theorem Applying Special Right Triangles