

<b>Chris Huson</b>	<b>Lesson Plan 10th Grade Geometry 16 February 2022</b>	
<b>Guiding Question</b>	How do we practice our geometry skills?	
<b>Learning Standards</b>	HSG.CO.A.1 Know precise geometric definitions	
<b>Materials</b>	Laptop computer, Calculator plot; Overhead doc-cam	
<b>Vocabulary</b>	Postulate, axiom, theorem, congruent, collinear, midpoint, empirical, relative frequency number, theoretical probability, sample space, event	
	<b>Teacher Actions</b>	<b>Student Actions</b>
<b>Do Now:</b> Given the geometric situation, label a diagram. State the geometric equation for the situation, substitute and solve the algebra, and check the solution.	Teacher poses problem, monitors individual progress and assists as appropriate. Teacher highlights key take-aways and connects to lesson.	Students work individually, comparing answers. Students present and discuss solutions.
<b>Procedure:</b> Applying geometry and algebraic formal methods.	Teacher assesses homework (completion basis, with spot-check of selected problems). Teacher presents lesson concepts: Discussion of lesson concepts. Format: "I do, we do, you do". Teacher connects new practices to existing body of knowledge, assesses level of understanding.	Students present explanation of probabilistic situation, interpreting results. Students take notes, respond to questions and each other, ask questions. Students complete practice problems, share on board. Exercises 10A #4 p 339
<b>Assessment</b>	<b>Writing to learn: Use proper geometric and algebraic notation in the beginnings of a 2-column proof format</b>	
<b>Homework</b> Complete Deltamath online problems	Exercises to practice and review; Textbook problems. Complete exercises, working 30 to 60 minutes, using notebook.	
<b>Differentiation</b>	Open questioning: Is there more than one approach to the problem? How do we methodically create the sample space of a situation? Challenge homework problems	
<b>Grouping</b> Group heterogeneously, seating chart.	Rapid exposure and independent homework: Class at regular pace: *IEP, **ELL	