

Lesson Plan

STEP 1: Heading

Date:	10/25/18
Teacher(s) Name:	Meagan Wentworth
Grade Level(s):	10th Grade
Title of Lesson:	Segment Proofs
Content Area(s):	Geometry

STEP 2: Lesson Goal(s) – Stage 1

Identify what students will understand, know or be able to do.

Students will be able to use segment theorems to complete segment proofs.

STEP 3: Links to Curriculum Standards – Stage 1

Access district curriculum framework or state standards.

Standard 9.3.2 involves logical arguments. The benchmark 9.3.2.4 involves proofs that justify reasoning.

STEP 4: Introduction – Essential Questions

How will you capture the students' attention and access relevant background knowledge?

Students will begin by reviewing the homework from the previous class period. The previous assignment was logic puzzles that gets the students to start thinking like they need to in order to complete proofs. These logic puzzles will allow them to get their brains working correctly to start learning about proofs. The logic puzzles are easy enough for all students to do based on prior knowledge, but just take a different type of thinking.

STEP 5: Teaching Presentation – Lesson Structures

Includes input, modeling and activities. Include at least one higher-level question that you will use during the lesson. Remember the structuring of a lesson: mini-lesson, mini-lecture, turn-and-talk, strategy lesson, etc.

How do we get from one given statement to an end result by using different theorems?

I will go over vocabulary and notes with the students on the smartboard and complete multiple examples with them in order to help the students have an idea of what they are going to be doing. I will then assign the homework and encourage students to work with each other which allows them to problem solve for themselves rather than the teacher doing all of the thinking.

STEP 6: Lesson Modifications and Adaptations – Stage 3

How will the input or activities be modified for at-risk learners or adjusted for high achieving students?

For one student who takes longer to understand the material, a note packet that is already filled in will be provided.

STEP 7: Formative Assessment of Learning Goal – Stage 2

How will I know if students are meeting the goal? How will students self-assess their understanding?

Based on how students do on the homework assignment, I will be able to see if they understand. Also, students who finish the homework in class likely understand the material better, as it will take them less time to complete the worksheet.

Homework (If applicable) Homework should deepen student's skills level or understanding related to the lesson goal.

A worksheet with multiple choice and a few proofs for students to complete will be assigned with work time being given in class to at least start the assignment. Some students will be able to finish in class if they are focused and understand the material.

STEP 8: Closure – Stage 1

Reviewing and clarifying the key points of a lesson. Reflect on enduring understandings and essential questions.

Before allowing students to go work, point out some key ideas that will help them on the homework assignment. Also, make sure that they are aware that they can use their notes to complete their assignment which will help them learn the material. Let them know that there will be proofs on their test and they will be learning another type of proof the following class period. This allows the students to know that they do need to know this and also allows them to know the plan for the next few class periods to help them stay organized.