

## Unit Plan by Prioritized Standards

<b>Content Area</b>	Math
<b>Grade/Course</b>	8th
<b>Unit of Study</b>	Pythagorean Thm - Unit 3
<b>Duration of Unit</b>	12 days (3 weeks)

Insert priority standards below (include code). **CIRCLE or Highlight** the **SKILLS** that students need to be able to do and **UNDERLINE** the **CONCEPTS** that students need to know. **(address “supporting” standards in daily lesson plans)**

**MGSE8.G.7** **Apply** the Pythagorean Theorem to **determine** unknown side lengths in right triangles in real-world and mathematical problems in two and three dimensions.

**MGSE8.G.8** **Apply** the Pythagorean Theorem to **find the distance between two points** in a coordinate system.

Skills (what must be able to do)	Concepts (what students need to know)	DOK Level / Bloom's
Apply Determine	Pythagorean Theorem Unknown side lengths in right triangles	2
Apply	Pythagorean Theorem to find distance between two points	2
Questions on the assessment may have higher DOK levels due to complexity of the question language.		

<b>Step 5: Determine BIG Ideas</b> (enduring understandings students will remember long after the unit of study)	<b>Step 6: Write Essential Questions</b> (these guide instruction and assessment for all tasks. The big ideas are answers to the essential questions)
--	---

<b>The length of the sides of the right triangle are equal to the square of the side lengths, and the sum of the sides are equal to the hypotenuse squared.</b>	What is the relationship among the lengths of the sides of a right triangle?  What is the relationship between the Pythagorean Theorem and the distance formula?  How do I know I have a convincing argument to informally prove Pythagorean Theorem?
---	---

<b>Essential Unit Vocabulary</b>  <b>Pythagorean Theorem</b> <b>Leg</b> <b>Hypotenuse</b> <b>Converse</b>
--

**Next step, create assessments and engaging learning experiences**