Susanna Gawlik Lesson Plans Supplemental Math-Grade 8 Week of February March21-24, 2016

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|  | Monday 3-21 | Tuesday 3-22 | Wednesday 3-23 | Thursday 3-24 |  |
| CCSS/MAS | TSC demonstrate comprehension to explain a proof of the Pythagorean Theorem and its converse (8.G.6) using an exit test determine if a triangle is a right triangle in real-world situations. | TSC demonstrate comprehension to apply the Pythagorean Theorem to find the distance between two points in a coordinate system (8.G.B.8) using guided instruction | TSC demonstrate comprehension to apply the Pythagorean Theorem to find the distance between two points in a coordinate system (8.G.B.8) using coordinate grids to find the missing side length. | TSC demonstrate comprehension to apply the Pythagorean Theorem to find the distance between two points in a coordinate system (8.G.B.8) using coordinate grids to find the missing side length. | PBIS reward party 2nd-4th hours-lesson plans subject to change |
| Language Objective | TSC read, write, and discuss to demonstrate knowledge of the Pythagorean Theorem and its converse (8.G.6) using an exit test to determine if a triangle is a right triangle in real-world situations. | TSC read and write to explain how to apply the Pythagorean Theorem to find the distance between two points in a coordinate system (8.G.B.8) using guided instruction. | TSC read and write to explain how to apply the Pythagorean Theorem to find the distance between two points in a coordinate system (8.G.B.8) using coordinate grids to find the missing side length. | TSC read and write to explain how to apply the Pythagorean Theorem to find the distance between two points in a coordinate system (8.G.B.8) using coordinate grids to find the missing side length. |  |
| Assessment | Word Problems/ finding hypotenuse from a picture Exit Test | Guided Instruction | Coordinate grids/Partner work | Coordinate grids/Partner work |  |
| Accommodations | Calculators, teacher assistance, | Calculators/teacher instruction, small groups | Calculators, partner-teacher assistance | Calculators, partner-teacher assistance |  |
| Vocabulary | Legs of a triangle  Hypotenuse  Right triangle  Pythagorean theorem  Pythagorean triple  Converse of Pythagorean theorem  Square root | Legs of a triangle  Hypotenuse  Right triangle  Pythagorean theorem  Pythagorean triple  Converse of Pythagorean theorem  Square root | Legs of a triangle  Hypotenuse  Right triangle  Pythagorean theorem  Pythagorean triple  Converse of Pythagorean theorem  Square root | Legs of a triangle  Hypotenuse  Right triangle  Pythagorean theorem  Pythagorean triple  Converse of Pythagorean theorem  Square root |  |
| Exit Stem |  |  |  | A triangle shaped wall is 9 feet long and 12 feet wide. How long is the  diagonal of triangle? | A triangle has sides with lengths of 18 kilometers, 32 kilometers, and  36 kilometers. Is it a right triangle? |

Lesson plans can change at any time by the discretion of the teacher.