Susanna Gawlik Lesson Plans Supplemental Math-Grade 8 Week of February March14-18, 2016

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|  | Monday 3-14 | Tuesday 3-15 | Wednesday 3-16 | Thursday 3-17 | Friday 3-18 |
| 3rd Period PBIS Personal Best  CCSS/MAS | TSC demonstrate comprehension to explain a proof of the Pythagorean Theorem and its converse (8.G.6) using the 4 step problem solving method and a type 3 to determine the length of the hypotenuse triangle in a real-world situation | TSC demonstrate application to explain a proof of the Pythagorean Theorem and its converse (8.G.6) to determine if a triangle is a right triangle in real-world situations | TSC demonstrate application to explain a proof of the Pythagorean Theorem and its converse (8.G.6) using a partner to determine if a triangle is a right triangle in real-world situations. | 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 understanding for solving equations (8.EE), functions (8.FA.1) and the Pythagorean Theorem (8.G.6) using front row web-based math practice. |
| Language Objective | TSC read and write to explain a proof of the Pythagorean Theorem and its converse (8.G.6) using the 4 step problem solving method and a type 3 to determine the length of the hypotenuse triangle in a real-world situation | TSC read, write and discuss to demonstrate knowledge of the Pythagorean Theorem and its converse (8.G.6) to determine if a triangle is a right triangle in real-world situations | TSC read, write and discuss to demonstrate knowledge of the Pythagorean Theorem and its converse (8.G.6) using a partner to determine if a triangle is a right triangle in real-world situations. | 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. | TSW read and write to demonstrate understanding for solving equations (8.EE) functions (8.FA.1) and the Pythagorean Theorem (8.G.6) using front row web-based math practice. |
| Assessment | Type 3/ 4 Step Problem-solving | Word Problems/ finding hypotenuse from a picture | Word Problems/ finding hypotenuse from a picture (review Packet) | Word Problems/ finding hypotenuse from a picture Exit Test | Web-based Assessment Progression of levels |
| Accommodations | Calculators/teacher instruction, small groups | Calculators, partner-teacher assistance | Calculators, partner-teacher assistance, | Calculators, teacher assistance, | Questions based on student’s level from Diagnostic Test |
| 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 | Quotient, difference, ratio, less than variable, inequality, greater than, less than, equal to, Equation, explain, variable, coefficient, right triangle, legs, hypotenuse |
| 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.