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| **Worth County Middle School 7th Grade Mathematics Curriculum Map** |
| **1st Semester** | **2nd Semester** |
| **1st Nine weeks** | **2nd Nine Weeks** | **3rd Nine Weeks** | **4th Nine weeks** |
| **Unit 1:****Operations With Rational #’s** | **Unit 2:****Expressions and Equations** | **Unit 3:****Ratios & Proportional Relationships** | **Unit 4:****Inferences** | **Unit 5:****Geometry** | **Unit 6:****Probability** | **Unit 7:****Show What We Know** | **Unit 8:****8th Grade Acceleration** |
| **4 weeks** | **5 weeks** | **5 weeks** | **4 Weeks** | **4 Weeks** | **5 Weeks** | **3 Weeks** | **6 weeks** |
| **Standards:**MGSE7.NS.1aMGSE7.NS.1bMGSE7.NS.1cMGSE7.NS.1dMGSE7.NS.2aMGSE7.NS.2bMGSE7.NS.2cMGSE7.NS.2dMGSE7.NS.3 | **Standards:**MGSE7.EE.1MGSE7.EE.2MGSE7.EE.3MGSE7.EE.4aMGSE7.EE.4b | **Standards:**MGSE7.RP.1MGSE7.RP.2aMGSE7.RP.2bMGSE7.RP.2cMGSE7.RP.2dMGSE7.RP.3MGSE7.G.1 | **Standards:**MGSE7.SP.1MGSE7.SP.2MGSE7.SP.3MGSE7.SP.4 | **Standards:**MGSE7.G.2MGSE7.G.3MGSE7.G.4MGSE7.G.5MGSE7.G.6 | **Standards:**MGSE7.SP.5MGSE7.SP.6MGSE7.SP.7aMGSE7.SP.7bMGSE7.SP.8aMGSE7.SP.8bMGSE7.SP.8c | All | **Standards:**MGSE8.EE.2MGSE8.EE.4MGSE8.EE.7aMGSE8.EE.7bMGSE8.NS.1MGSE8.NS.2MGSE8.G.6MGSE8.G.7 |
| **Incorporated Standards** |
| None | MGSE7.NS.1MGSE7.NS.2MGSE7.NS.3 | MGSE7.EE.3MGSE7.NS.1MGSE7.NS.2MGSE7.NS.3 | MGSE7.NS.1MGSE7.NS.2MGSE7.NS.3 | MGSE7.G.1 | None | None | None |
| Concepts\*Integer Rules-Compare & Order-Add, Subtract, Multiply & Divide\*Rational #’s-Compare & Order-Add, Subtract, Multiply & Divide\*Operations # lines-Vertical and Horizontal\*Using Models to display operations\*Zero Pairs/Additive Inverse\*Absolute Value\*Properties of Numbers\*Converting Fractions to Decimals with long Division | Concepts\*Variable & Coefficients\*Write/Interpret Algebraic Expressions\*Solving Equations w/rational numbers-One-Step-Two-Step-Multistep\*Converting word problems into equations & expressions\*Inequalities-One-Step-Two-Step | Concepts\*Unit Rates-Ratios-Lengths-Areas\*Representing Proportional Relationships\*Testing Equivalent Ratios-In a table-On a graph\*Constant of Proportionality(Tables, Graphs, Equations, Diagrams, Verbal Descriptions)\*Multistep Ratio and % problems.\*Scale Drawings | Concepts\*Statistics-Populations-Samples-Validity\*Drawing Inferences w/ multiple samples\*Comparative Inferences\*Measures of \*Center (Mean, Median, Mode)\*Measures of Variability | Concepts\*Constructing Triangles with given conditions\*Cross-sections of 3D Figures\*Circumference& Area of Circles \*Angles-Supplementary-Complementary-Vertical-Adjacent\*Write and Solve equations for unknown angles\*Area, Volume, & Surface Area of 2D & 3D objects | Concepts\*Simple Events-Probability-Likelihood-Approximating & Predicting \*Probability Models-Uniform-Non-Uniform-Explaining Discrepancy\*Compound Events-Lists-Tables-Tree Diagrams-Simulations-Sample Space | Projects, Tasks, CRCT Review over all standards (May Vary by teacher). | \*Irrational Numbers-Approximating-Graphing\*Square Roots\*Cubed Roots\*Perfect Squares\*Scientific Notation\*Linear Equations\*Pythagorean Theorem |
| **Standards for Mathematical Practice** |
| 1 Make sense of problems and persevere in solving them.2 Reason abstractly and quantitatively.3 Construct viable arguments and critique the reasoning of others.4 Model with mathematics | 5 Use appropriate tools strategically.6 Attend to precision.7 Look for and make use of structure.8 Look for and express regularity in repeated reasoning. |