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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.1a  MGSE7.NS.1b  MGSE7.NS.1c  MGSE7.NS.1d  MGSE7.NS.2a  MGSE7.NS.2b  MGSE7.NS.2c  MGSE7.NS.2d  MGSE7.NS.3 | **Standards:**  MGSE7.EE.1  MGSE7.EE.2  MGSE7.EE.3  MGSE7.EE.4a  MGSE7.EE.4b | **Standards:**  MGSE7.RP.1  MGSE7.RP.2a  MGSE7.RP.2b  MGSE7.RP.2c  MGSE7.RP.2d  MGSE7.RP.3  MGSE7.G.1 | **Standards:**  MGSE7.SP.1  MGSE7.SP.2  MGSE7.SP.3  MGSE7.SP.4 | **Standards:**  MGSE7.G.2  MGSE7.G.3  MGSE7.G.4  MGSE7.G.5  MGSE7.G.6 | **Standards:**  MGSE7.SP.5  MGSE7.SP.6  MGSE7.SP.7a  MGSE7.SP.7b  MGSE7.SP.8a  MGSE7.SP.8b  MGSE7.SP.8c | All | **Standards:**  MGSE8.EE.2  MGSE8.EE.4  MGSE8.EE.7a  MGSE8.EE.7b  MGSE8.NS.1  MGSE8.NS.2  MGSE8.G.6  MGSE8.G.7 |
| **Incorporated Standards** | | | | | | | |
| None | MGSE7.NS.1  MGSE7.NS.2  MGSE7.NS.3 | MGSE7.EE.3  MGSE7.NS.1  MGSE7.NS.2  MGSE7.NS.3 | MGSE7.NS.1  MGSE7.NS.2  MGSE7.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. | | | |