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|  | Whiteriver Unified School District | | Year at a Glance  2020-2021 | Grade 6 |
| Unit Name | Topic 1: Positive Rational Numbers | Topic 2 : Integers and Rational Numbers | Topic 3: Numeric and Algebraic Expressions | Topic 4: Equations and Inequalities |
| Dates |  |  |  |  |
| Big  Ideas | **1.1-1.2: Real Number System P**  **\*Add, Subtract and Multiply** Decimals  \***Divide** decimals  **1.3-1.7**: **NS**  **\*Use** models to multiply fractions  **\*Use** models to show fraction division  **\*Divide** a fraction by a fraction  **\*Divide** mixed numbers  **\*Solve** multi-step problems that involve fractions and decimals. | **2.1-2.3: NS**  **\*Understand** negative numbers  **\*Compare and order** integers and rational numbers  **\*Place** rational numbers on an number line  **\*Interpret** absolute value  **2.4-2.6: NS**  **\*Plot** points on a coordinate plane  **\*Find** distance on a coordinate plane  **\*Find** side length of a polygon on the coordinate plane. | **3.1-3.3: NS and EE**  **\*Write and Solve** problems with exponents  **\*Find** prime factorization, GCF and LCM  **\*Use** order of operations  **3.4-3.7:EE**  **\*Write** algebraic expressions  **\*Evaluate** algebraic expressions  **\*Identify and Write** equivalent algebraic expressions  **\*Simplify** Algebraic Expressions | **4.1-4.5: EE**  **\*Balance** equations  **\*Write** equivalent expressions using properties  **\*Solve** equations using addition and subtraction  **\*Solve** equations using multiplication and division  **\*Solve** equations using rational numbers.  **4.6-4.7: EE**  **\*Write** inequalities  **\*Solve** inequalities  **4.8-4.10: EE**  **\*Describe** independent and dependent variables  **\*Write** equations from tables and graphs  **\*Explain** multiple representations (table, graph, equation, scenario) |

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|  | Whiteriver Unified School District | | Year at a Glance  2020-2021 | Grade 6 |
| Unit Name | Topic 5:Ratio and Rate | Topic 6:Percent | Topic 7: Surface Area and Volume | Topic 8: Display, Describe and Summarize Data |
| Dates |  |  |  |  |
| Big  Ideas | **5.1-5.4 RP**  **\*Describe** ratios  **\*Generate** equivalent ratios  **\*Compare** ratios  **\*Solve** ratio problems using tables and graphs  **5.5-5.7 RP**  **\*Describe and use** rate  **\*Compare** unit rates  **\*Solve** problems that involve unite rate  **5.8-5.10 RP**  **\*Convert** customary units  **\*Convert** metric units  **\*Convert** between customary and metric units | **6.1-6.6 RP**  **\*Find** the percent of a whole.  **\*Write** equivalent values as fractions, decimals and percents  **\*Write** percents that are greater than 100 and less than 1  **\*Estimate** the percent of a number using multiple strategies  **\*Find** percent of a number  **\*Find** the whole given the percent and part | **7.1-7.4 G (supporting standards)**  **\*Find** area of parallelograms and rhombuses  **\*Find** area of triangles  **\*Find** the area of trapezoids and kites  **\*Find** the area of complex polygons  **7.5-7.8 G (supporting standards)**  **\*Classify and Identify** solid figures from nets  **\*Find** surface area of prisms  **\*Find** the surface area of pyramids  **\*Find** volume of prisms with fractional side lengths | **8.1-8.4 SP (supporting standards)**  **\*Identify** statistical questions  **\*Find** mean, median, mode and range  **\*Make and interpret** box plots  **\*Display** data in a histogram  **8.5-8.7 SP (supporting standards)**  **\*Use** measures of variable to describe a data set  **\*Choose** the appropriate statistical measure  **\*Summarize** numerical number sets |