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|  | Whiteriver Unified School District | Year at a Glance2020-2021 | 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 |   |   |   |   |
| BigIdeas | **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 Glance2020-2021 | 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 |   |   |   |   |
| BigIdeas | **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 |