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|  | Whiteriver Unified School District | Year at a Glance2020-2021 | Grade 7 |
| Unit Name | Topic 1: Integers and Rational Numbers | Topic 2: Analyze and Use Proportional Relationships | Topic 3: Analyze and Solve Percent Problems | Topic 4: Generate Equivalent Expressions |
| Dates |   |   |   |   |
| BigIdeas | **1.1-1.2: NS****\*Relate** integers to their opposites and absolute value**\*Write** rational numbers as decimals**1.3-1.5: NS****\*Add** integers**\*Subtract** integers**\*Add and Subtract** rational numbers**1.6-1.10: NS****\*Multiply** integers**\*Multiply** rational numbers**\*Divide** integers**\*Divide** rational numbers**\*Solve** multi-step problems with rational numbers | **2-1 to 2-2 RP****\*Find** unit rate**\*Compare** unit rate**\*Solve** problems involving unit rate**2.3-2-6 RP****\*Create** ratio tables**\*Compare** ratios and unit rates**\*Write** equations to represent proportional relationships**\*Plot** points on the coordinate plane**\*Explain** how y=kx describes a situation**\*Interpret** graphs with proportional relationships**\*Create** bar-diagrams | **3.1-3.6: RP****\*Understand** the relationship between parts, wholes and percent**\*Find** percents, parts and wholes using proportions**\*Use** the percent equation**\*Solve** percent change problems**\*Solve** markup and markdown problems**\*Calculate** simple interest | **4.1-4.2: EE****\*Represent** real world situations with expression**\*Combine** like terms to show equivalence**4.3-4.5: EE****\*Rewrite** expressions in simplest form**\*Expand** expressions**\*Factor** expressions**4.6-4.8: EE****\*Add** expressions**\*Subtract** expressions**\*Use** equivalent fractions to find new information |

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|  | Whiteriver Unified School District | Year at a Glance2020-20201 | Grade 7 |
| Unit Name | Topic 5:Solve Problems using Equations and Inequalities | Topic 6: Use Sampling to Draw Inferences about Populations | Topic 7: Probability | Topic 8: Solve Problems that involve Geometry |
| Dates |   |   |   |   |
| BigIdeas | **5.1-5.3: EE****\*Represent** a problem with a two-step equation**\*Solve** two step equations**\*Use** the distributive property**5.4-5.7: EE****\*Solve and Explain** inequalities**\*Solve and Explain** two-step inequalities**\*Solve and Explain** multi-step inequalities | **6.1-6.4: SP (supporting standards)****\*Decide** if a sample is representative of a population**\*Draw inferences** from data**\*Make** comparative inferences**\*Extend** thinking for more accurate inferences | **7.1-7.4: SP (supporting standards)****\*Relate** probability to mathematical fairness**\*Predict** outcomes using theoretical probability**\*Describe** the difference between theoretical and experimental probability**\*Create** models to represent situations involving probability**7.5-7.7**: **SP (supporting standards)****\*Determine** outcomes of events**\*Calculate** probabilities of compound events**\*Use** models to represent real world events. | **8.1: G (supporting standards)****\*Use** scale drawings to find measurements**8.2-8.3: G (supporting standards)****\*Draw** figures with given coordinates**\*Draw** triangles with given conditions**8.4: G (supporting standards)****\*Solve** problems with angle relationships**8.5-8.6: G (supporting standards)****\*Describe** circles**\*Find** area of circles**8.7: G (supporting standards)****\*Describe** cross sections**8.8-8.9: G (supporting standards)****\*Calculate** surface area**\*Calculate** volume |