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| Unit Start Date  *(May Change)* | ADVANCED | Example Problem for mastery |
| Sept 1 | Orientation, 8 Math Practices | Find Master strategy in Poison Game. Explain what tools helped you to solve the problem. |
| Sept 16 | ​Linear Equations Block 1 Expressions and Equations | Make a Triangle, Trapezoid, and Circle with the Area of n. |
| Oct 2 | Geometry Block 4 Exponents and Volume | Use Scientific notation to calculate how many more grains of rice can fill the gym vs classroom. |
| Oct 30 | Geometry Block 2 Pythagorean Theorem | Use the Pythagorean theorem to find the dimensions of a 42in Screen. |
| Nov 20 | Linear Equations Block 2 Sequence and Slope | Use Algebraic formulas to design a ADA Ramp for\_\_\_\_\_\_\_\_\_\_. And/or Create a algebraic formula to convert Celsius to Fahrenheit |
| Jan 1 | Linear Equations Block 3 Using Linear Equations | Graph, Table and formula to calculate when to buy a season pass to Great Divide |
| Jan 29 | Linear Equations Block 4 Systems of Equations | Use Algebra to determine when a Prius is a better deal. |
| Feb 26 | Linear Equations Block 5 Two-Variable Data​ | Use Data and Line of best fit to get the best estimate for the number of pieces or cost of a Lego set |
| Mar 19 | Geometry Block 1 Angles and Triangles | Use Algebra to determine missing angles. |
| Apr 16 | ​Geometry Block 3 Transformations | Create a function that will create changes to a picture on a coordinate grid. |
| May 7 | Mousetrap Car | Use all Skills learned this year to design the fastest mousetrap car. |
| May 14 | Exploratory | TBD |