|  |  |
| --- | --- |
| February | 2017 |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Monday | Tuesday | Wednesday | Thursday | Friday | Theme of the Week |
| 30Solve systems of equations written in standard form using substitution Solve systems of equations that are not both written in standard form using elimination | 31Write systems of equations for cost/ticket problems Write systems of equations for mystery number problems  | 1Write systems of equations for a variety of application problems Solve systems of equations problems that follow the formulas cost of 1 + cost of 2 = total cost and units of 1 + units of 2 = total units | 2Academic Awards CeremonySystems of Equations LAB | 3Write systems of linear inequalities Show the solution of a system of linear inequalities graphically | PotD: Main Lessons: Systems of Equations Applications**February 4: Mashone’s Birthday** |
| 6**Systems of Equations** **UNIT TEST** | 7Unit 7: Polynomials and ExponentsUse the meaning of exponents to expand and simplify monomials Use and understand the meaning of an exponent of zero, simplifying expressions | 8Use and understand the meaning of a negative exponent, simplifying expressions | 9**Exponents Intro Quiz**Use the product of a power rule Use the quotient of a power rule | 10Use the power of a power ruleUse a variety of exponent rules to simplify expressions | PotD: Main Lessons: Exponents |
| 13Use a variety of exponent rules to simplify expressions | 14Valentine’s Day**Exponents Quiz**Find the number of terms of a polynomial and the degree of a polynomial Name a polynomial for number of terms and degree Write polynomials in ascending and descending order, understanding that standard form is descending order | 15Add and subtract polynomials by combining like terms | 16Black History Month ProgramUnit 6 (Systems of Equations) Data DiveParent Progress Report Conferences 5:00 pm | 17Solve perimeter application problems involving polynomial side lengths and perimeters | PotD: Main Lessons: Polynomials |
| 20Multiply a polynomial by a monomial using exponent rules | 21**Polynomials Quiz**Multiply a binomial by a binomial using the FOIL method  | 22Use FOIL to solve area problems involving polynomials side lengths and areas | 23Identify the GCF of a polynomial and factor it out Explain that expanding moves a polynomial towards standard form, while factoring moves a polynomial towards factored form, and that these are opposite directions Use factoring to identify missing side lengths of two dimensional shapes given polynomial areas | 24*Mardi Gras Break**No School* | PotD: Main Lessons: Polynomials (FOIL)**February 28: Kennedy’s Birthday** |