Logs and Exponentials: Unit Schedule

When			Topics/Student Objectives
10/27	Monday	1	**Growth and Decay** Use Exponential functions to create growth and decay models. Use growth and decay models to predict outcomes. Use periodic and continuous interest formulas to calculate information about financial investments.
10/28	Tuesday	2	**Inverse Functions** Given a function, find the inverse of that function. Recognize that a relation is an inverse of a function based on a table of values and/or a graph. Use properties of inverse functions to determine if functions are inverses of each other.
10/29	Wednesday	3	**Definition and Properties Logs** Use the relationship between the log and exponential function to convert between forms. Use the properties of logarithms to expand and contract logarithmic statements
10/30	Thursday	4a	**Properties of Logs** (continued) Use the properties of logarithms to expand and contract logarithmic statements. **Quiz – Growth and Decay word problems and Inverse Functions**
10/31	Friday		**Teacher Work Day**
11/3	Monday	5	**Solving Equations** Solve equations in which the variable is in the exponent. Solve equations in which the variable is the argument of a log function.
11/4	Tuesday	5a	**Solving Equations** Solve exponential and logarithmic equations, extra practice. **Quiz – Definitions and Properties of Log functions**
11/5	Wednesday	6	**Sequences and Series** Solve problems related to arithmetic and geometric sequences and series.
11/6	Thursday		**Review**
11/7	Friday		**Unit Test**