



# Logs and Exponentials: Unit Schedule

When			Topics/Student Objectives
4/13	Monday	1	<b>Growth and Decay</b> 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.
4/14	Tuesday	2	<b>Inverse Functions</b> 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.
4/15	Wednesday	3	<b>Definition and Properties Logs</b> Use the relationship between the log and exponential function to convert between forms. Use the properties of logarithms to expand and contract logarithmic statements
4/16	Thursday	4	<b>Properties of Logs (continued)</b> Use the properties of logarithms to expand and contract logarithmic statements. <b>Quiz – Growth and Decay word problems and Inverse Functions</b>
4/17	Friday	5	<b>Solving Equations – Common Logs</b> Solve equations in which the variable is in the exponent. Solve equations in which the variable is the argument of a log function.
4/20	Monday	6	<b>Solving Equations – Common Logs</b> Solve exponential and logarithmic equations, extra practice. <b>Quiz – Definitions and Properties of Log functions</b>
4/21	Tuesday	7	<b>Properties of Natural Logarithms</b> Use properties of Natural Logs to expand and condense expressions
4/22	Wednesday	8	<b>Solving Equations – Natural Logs</b> Solve equations involving the constant $e$ in which the variable is the exponent or the argument of a natural log statement.
4/23	Thursday		<b>Review</b>
4/24	Friday		<b>Unit Test</b>

