Video Title	Grade Level	Domain (Topic)	Cluster	Standard
Exponential Decay	HS - Functions	Interpreting Functions	Analyze functions using different representations	**CCSS.MATH.CONTENT.HSF.IF.C.7 Graph functions expressed symbolically and show key features of the graph, by hand in simple cases and using technology for more complicated cases.**
				CCSS.MATH.CONTENT.HSF.IF.C.7.E Graph exponential and logarithmic functions, showing intercepts and end behavior, and trigonometric functions, showing period, midline, and amplitude.
	HS - Functions	Interpreting Functions	Analyze functions using different representations	**CCSS.MATH.CONTENT.HSF.IF.C.8 Write a function defined by an expression in different but equivalent forms to reveal and explain different properties of the function.**
				CCSS.MATH.CONTENT.HSF.IF.C.8.B Use the properties of exponents to interpret expressions for exponential functions. For example, identify percent rate of change in functions such as y = (1.02)t, y = (0.97)t, y = (1.01)12t, y = (1.2)t/10, and classify them as representing exponential growth or decay.
	HS - Functions	Linear, Quadratic, and Exponential Models	Construct and compare linear, quadratic, and exponential models and solve problems	**CCSS.MATH.CONTENT.HSF.LE.A.1 Distinguish between situations that can be modeled with linear functions and with exponential functions.**
				CCSS.MATH.CONTENT.HSF.LE.A.1.C Recognize situations in which a quantity grows or decays by a constant percent rate per unit interval relative to another.
	HS - Functions	Linear, Quadratic, and Exponential Models	Construct and compare linear, quadratic, and exponential models and solve problems	**CCSS.MATH.CONTENT.HSF.LE.A.2 Construct linear and exponential functions, including arithmetic and geometric sequences, given a graph, a description of a relationship, or two input-output pairs (include reading these from a table).**
	HS - Functions	Linear, Quadratic, and Exponential Models	Interpret expressions for functions in terms of the situation they model	**CCSS.MATH.CONTENT.HSF.LE.B.5 Interpret the parameters in a linear or exponential function in terms of a context.**