Enduring Understandings	Learning Objectives	Essential Knowledge
(Students will understand that)	(Students will be able to)	(Students will know that)
EU 2.3: The derivative has multiple interpretations and applications including those that involve instantaneous rates of change.	LO 2.3E: Verify solutions to differential equations.	<b>EK 2.3E1:</b> Solutions to differential equations are functions or families of functions.
		<b>EK 2.3E2:</b> Derivatives can be used to verify that a function is a solution to a given differential equation.
	LO 2.3F: Estimate solutions to differential equations.	<b>EK 2.3F1:</b> Slope fields provide visual clues to the behavior of solutions to first order differential equations.
		<b>EK 2.3F2: (BC)</b> For differential equations, Euler's method provides a procedure for approximating a solution or a point on a solution curve.
EU 3.5: Antidifferentiation is an underlying concept involved in solving separable differential equations. Solving separable differential equations involves determining a function or	LO 3.5A: Analyze differential equations to obtain general and specific solutions.	<b>EK 3.5A1:</b> Antidifferentiation can be used to find specific solutions to differential equations with given initial conditions, including applications to motion along a line, exponential growth and decay, <b>(BC)</b> and logistic growth.

relation given its rate of

change.