

	MONDAY (B) NOT TEACHING	TUESDAY (A) IN PERSON 10:00-11:35 IN PERSON 2:35-4:05	WEDNESDAY (B) NOT TEACHING	THURSDAY (A) IN PERSON 10:00-11:35 IN PERSON 2:35-4:05	FRIDAY (B) NOT TEACHING
	Objective(s): SWBAT	Objective(s): SWBAT *Use properties of graphs to find derivatives of sine and cosine	Objective(s): SWBAT	Objective(s): SWBAT *Understand higher-order derivatives in terms of position, velocity, and acceleration of circular functions	Objective(s): SWBAT
P	Engage	Engage Students will observe a simple pendulum and describe its motion	Engage	Engage Students will review derivatives of sine and cosine	Engage
L A	Explain Explore Elaborate	Explore Students will use the behaviors of the graphs of sine and cosine to determine their derivatives Elaborate Students will discuss the meaning of higher order derivatives in terms of oscillatory motion	Explore Explain Elaborate	Explore Students will use simple pendulae to analyze their position, velocity, and acceleration in terms of sine and cosine. Students will adjust the parameters of their pendulum to find a period of 2s	Explore Explain Elaborate
N	Evaluate and Summary	Evaluate and Summary	Evaluate and Summary	Evaluate and Summary	Evaluate and Summary
Resources:					