## SAINT JOSEPH'S PREPARATORY SCHOOL PHYSICS LAB EXERCISE

## **Spring Constants – Simple Harmonic Motion – Hooke's Law**

NAME:				I	DATE:		PERIOD	OS:
COLLABORATO	ORS:							
DATE REPORT I	S DUE:							
You must plo	ing weights on for Hooke's La tagraph of fo	the spring and $_{ m I}$ w is: $F=-$	plotting : -kx distance	force vs e and an	. length	and deternance and deternance and deternance and determine the second se		slope of the curve
		ma	mass		weight		e	
		1						
		2						
		3						
		4						
		5						
		6						
		7						
2. Indirectly, measuring the		Time for 20 cycles	e for 20		monic i	1	$T = 2\pi\sqrt{k}$	$\frac{m}{k}$
	2							
	3							
	5							
	6							
	7							
	<u>'</u>							

Mass of Spring: