

Experiment : Spring Force - Extra Challenge

Name :

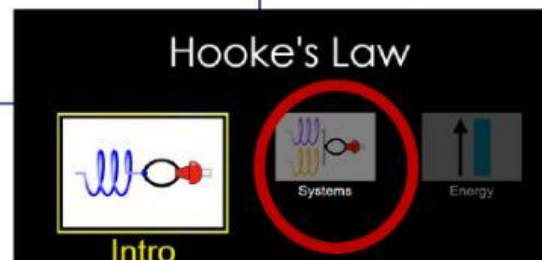
Grade :

Date :

1. Goto PhET website :

https://phet.colorado.edu/sims/html/hookes-law/latest/hookes-law_en.html

2. Select systems:



Experiment 1

(10 min)

Select two parallel springs for experiment



Spring Constant of top spring	Spring Constant of bottom spring	Applied force F	Distance (x)	F/x
(N/m)	(N/m)	(N)	(m)	
200	200			
400	400			
600	700			

Experiment 2

(10 min)

Select two series springs for experiment



Spring Constant of top spring	Spring Constant of bottom spring	Applied force (F)	Distance (x)	F/x
(N/m)	(N/m)			
200	200			
400	400			
600	600			