

Experiment : Spring Force - Extra Challenge

Name :

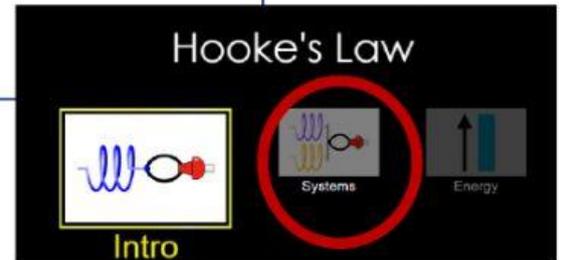
Grade :

Date :

1. Goto PhET website :

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

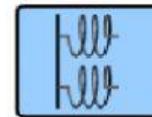
2. Select systems:



Experiment 1

(10 min)

Select two parallel springs for experiment



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

Experiment 2

(10 min)

Select two series springs for experiment



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