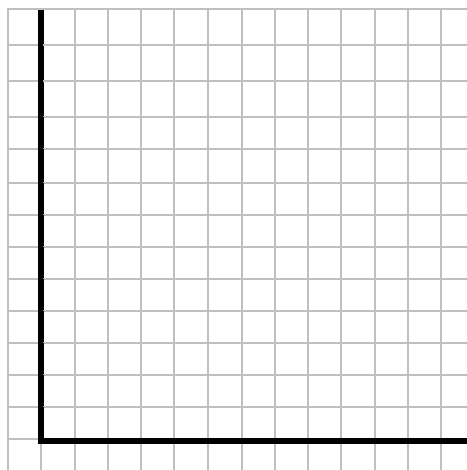**Objective:**   Model the relationship between force (*F*) and displacement (x) for a stretched spring (put *F* on the *y*-axis). Phet Hooke's Law lab found at https://phet.colorado.edu/sims/html/hookes-law/latest/hookes-law_en.html . Choose "Intro" from the home screen. In the upper right corner, check "Applied Force", "Displacement", "Equilibrium Position", and "Values". Use the grabbers to pull the spring.

Diagrammatical Model: **Experimental Design:**

Data Collection:

x (m)	*F* (N)

Mathematical Model:

Word Model: