**Hooke’s Law and**

**Spring Constants**

 **Hooke’s Law:**

 **Each individual spring (anything that will stretch easily) has a constant (number that is unique to each spring).**

 **Each spring constant depends on the force applied (hanging mass) and the distance the spring is stretched.**

 **Equation: K = mg/d**

 **K = Spring constant (N/m).**

 **M = mass.**

 **g = 9.8 m/s2**

 **D = Distance that the spring is stretched from equilibrium (length of un-stretched spring).**

 **You can also find the springs constant from compressed spring.**