**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.**