Crash Barriers Student Scaffold’s

**Law of Conservation of Energy**: energy cannot be created or destroyed, but only changed from one form into another or transferred from one object to another.

**Ep = mgh, where m=mass, g=gravity (9.8m/s2), h=height**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | Trial #1 (cm) | Trial #2 (cm) | Trial #3 (cm) | Averagecm and M |
| 1 marble-1 book |  |  |  |  |
| 2 marbles-1 book |  |  |  |  |
| 1 marble-2 books |  |  |  |  |
| Your choice |  |  |  |  |

Metric Units

10mm = 1 cm

1000mm = 1 Meter

100cm = 1 Meter

1000M = 1km