**Names/Members \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Purpose: Design a SAFE way to break, observe, record and measure the properties of glass:**

**You will be making a poster for this project. It must include**

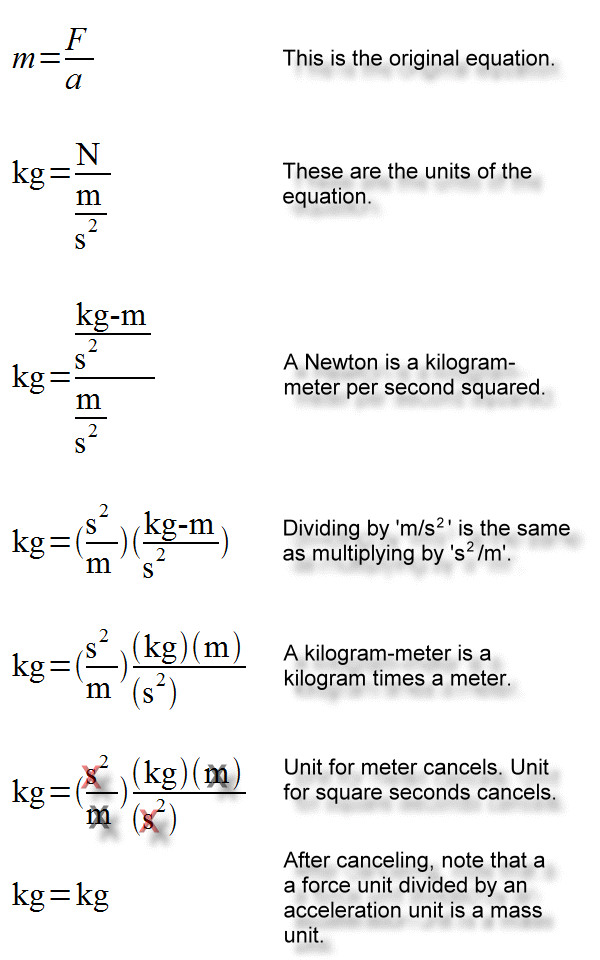
1. **Drawing of design.**
2. **Presentation of your glass piece. Label at least 5 important fractures/anomalies.**
3. **Calculation of the force required to break window glass for a free falling object. F=ma**
4. **Density of object. D=m/v**

**5) Your group will present next week in a “silent museum”**

**Planning:**

**1. Safety precautions must be cleared by your instructor before you build it. Decide if you need to temper it.**

**2. Fill out the scientific method outline up to Results/Conclusion.**

**3. Decide what materials you will need for tomorrow.**

**Planning:**