

## **Timing and Animation – creating life in time – pt. 1**

Draw on note cards 3 of the following animations emphasizing timing and animation techniques (*squash and stretch, exaggeration, anticipation, secondary action, follow through, staging, etc.*) Consider during this round of drawing flip books the physics of the object (*mass and center of gravity*) as well as how to control timing through frames (*number of duplicate cards or lack of cards*) and precisely drawn frames (*key poses drawn on cards*).

### **Choose 3:**

#### **Newton's Law of Motion – action and reaction**

Cause an effect such as a person hitting a ball; ball flies through air

#### **Objects thrown through air – parabolas and slow in/out**

Show up and down motion (of object) and angular motion (of object)

#### **Rotating Objects – based on its center of mass**

Symmetrical object (such as ball) and irregular object (such as hammer)

#### **Force and /or flexible joint – hierarchic motion**

Multi-jointed object (such as arm or leg) and its path

#### **Slow action / fast action + hold frames**

Revealing mood, weight and exaggeration/anticipation of action

#### **Oscillating motion**

Animate a tail, diving board, etc.

#### **Timing cycles – fire, snow, rain, smoke**

Looping animation representing 2 of the above forces

#### **Explosions or water effects**

Either stylistic or realistic

#### **Strobing**

Looping animation where strobing effect is diminished by irregular material

## **Timing and Animation – 2 sets of eyes are better than 1 – pt 2**

Team up with a partner and let them view your animation sequence above. They should critique it and give you feedback as to whether it is realistic, animated well, timing clear, needs improvement, etc. Take feedback and make changes to animation flip book and improve on one of them to turn in before end of semester.

### **Turn in:**

**1)** 1 improved (animation problems fixed, outlined in pen & ink, clip added to hold together) Flip Book from timing lab

**2)** 1 improved (animation problems fixed, outlined in pen & ink, clip added to hold together) Flip Book from animation techniques lab