**Time & Motion Project – Part 1**

**Part 1 – Stopped Motion – No Blur**

**When you want to** **stop motion**, you will have a fast shutter speed and usually a smaller aperture (less light).

**Fast Shutter Speeds:** 1/125 – 1/160 – 1/200 – 1/250 – 1/320 – 1/400 – 1/500 – 1/640 – 1/800 – 1/1000

Use Manual Mode:

Set the shutter speed, then set f-stop so light meter is correct (Needle is in the middle of the + and - signs); this is called "shutter priority." Experiment taking the shot several times and varying your shutter speed to see the differences.

\*You are expected to take multiple photographs of each skill in order to demonstrate your experimentation with this skill, and to give you the best chance at an outstanding photograph.

**Stopping the motion –**

Practice some shots using no flash, and some shots with the flash (Fill in flash). Press the Lightning bolt symbol to manually fire the flash.

\*\*You will need lots of light for this part. \*\*

1) Two Photos of running/moving water or a liquid stopped/frozen.

* For example a stream, waterfall, fountain, sink, spilling a drink, throwing a bucket of water, sprinklers, etc. \*No far away ocean scenes.
* Composition: Fill the Frame. Zoom in on the water. Any background information should contribute to the water and feeling of “stopped motion.”

2) Two Photos of fast action stopped, with 1 or 2 subjects.

* For example 1 to 2 people jumping, leaping, dancing, engaging in a unique sports activity, a bird in flight, a person on a bicycle, etc.
* Avoid shots of people simply walking or running in front of you.
* Composition: Zoom into the subject. Avoid extraneous background information.

3) Photos of a Sequence with 1 subject only– Stopped Motion.

* Shoot a minimum of 5 photos in a sequence of the same subject in the same action.
* For example, a skateboarder completing a trick, a gymnast, a dancer, basketball player making a shot, etc.
* Shoot in “continuous” shooting mode. You may use the sports mode for this.
* You may present this as a .jpg with each frame next to each other, or as a “multiplicity” style photograph with all the sequence shots blended together.

**Presentation of Photos:**

* Label each slide with the shutter speed and aperture used
* Write a copyright statement on each photo
* Save all as .jpeg
* Make a folder in the student share and place all your jpegs in it.