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