



Reminders

- Everyone was assigned a Camera and a Memory card
- If you didn't get one, please let me know by the end of the class
- End of the term is Oct 28 - Make sure all assignments are submitted before then.
- Next week we will be doing Halloween Themed photographs!



MATERIALS

- Balloon with water
- Safety Pin
- DSLR Camera
- Memory Card
- 3 persons in a group

3 Pillars of Photography

- **Shutter Speed**
- Aperture
- ISO



Shutter Speed

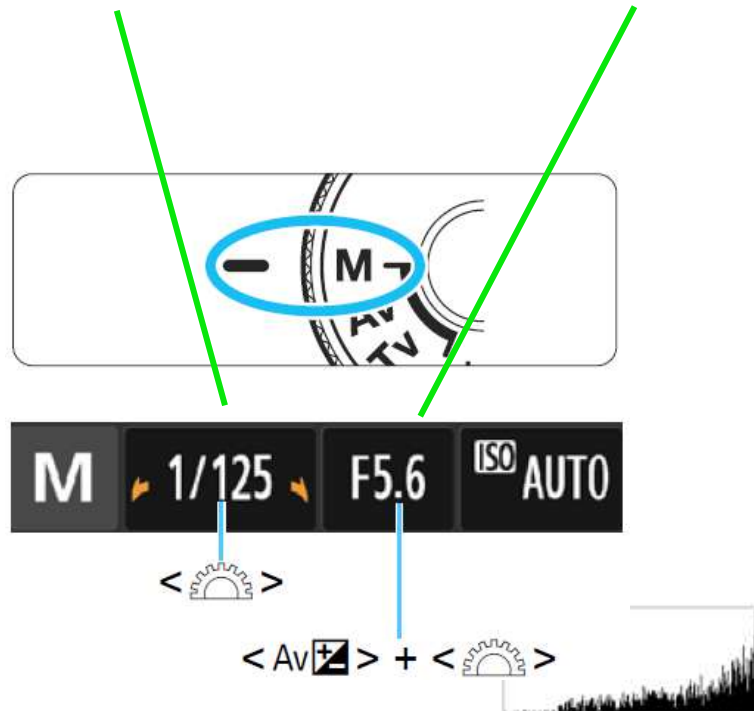
- **Freeze the moment**
- Motion blur



Aperture and Shutter Controls

Shutter

Aperture



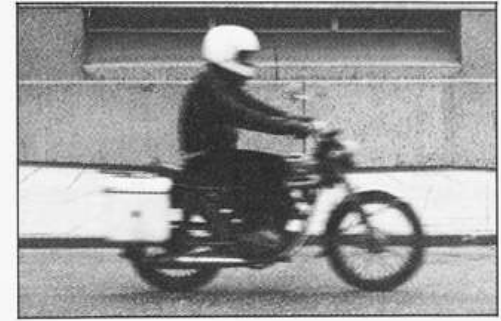


How High is High?

- Control of the representation of movement and “speed” varies by adjusting the shutter speed and depends on the speed of the object itself.



1/500 sec f5.6



1/250 sec f8



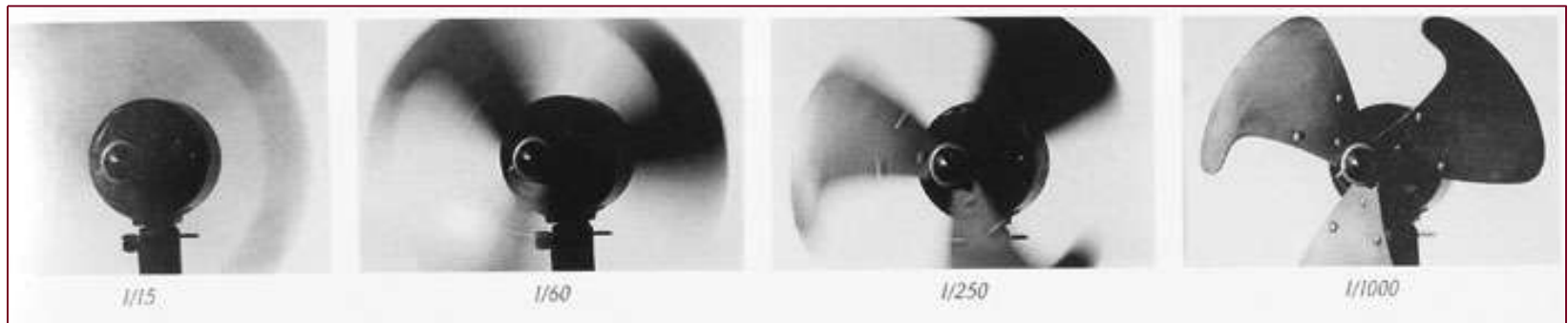
1/125 sec f11



1/60 sec f16



Freezing Motion Is Relative



The shutter speed you choose has to be relative to the action you're trying to stop. A good rule of thumb would be that 1/500 second is a good starting point for stopping motion that's fairly fast.

Angle of Movement



1/8



1/30



1/125



1/30



1/125



1/500

The shutter speed at which motion can be dealt with varies with the speed of the subject, and the direction of the motion ...

REMEMBER...



Put your camera on **TV mode**
(Time Value = Shutter Priority)

- you want to *freeze motion*
- **Increase shutter speed.**

If you want to achieve *motion blur*
= **Decrease shutter speed.**



Make sure to coordinate poking the balloon and pressing the shutter release button



Make sure to coordinate poking the balloon and pressing the shutter release button



Remember to wait for the BEEP then count
1-2-3..... Go +POKE!!!!





Instructions:



For this project, you will practice high speed photography with water balloons. This is a demonstration of your understanding about how shutter speed works.

- 1 camera & 1 memory card per group
- You will be working in groups of 3.
- We will be going outside the parking lot.
- All 3 members in the group will get a turn to take pictures.

Water Balloon

- Each member must have a balloon filled with water.
- One member will poke the balloon as the other member holds it. The 3rd member will take the picture. (Everyone in the group gets a turn)

You will turn in ALL your successful shots did as a group.

Suggested Shutter Speed setting : 1/500

**Don't forget to clean up and pick up the
balloon pieces!!!**



More info about SHUTTER SPEED, APERTURE AND ISO

<https://www.youtube.com/watch?v=8m60XhjX3GM>

END OF PRESENTATION