



# Motion Blur

The shutter control on the camera can be used to either blur motion or freeze Motion.

**Assignment:** The student will search the internet for images that show the concept of capturing Blurred motion (20). A folder will be created to store the Blurred Motion Photos and a contact sheet will be generated. The student then will shoot one roll of 35mm film with the intent of controlling Motion through the shutter control. The student will turn in 4-4" x 6" prints, showing motion blurred.

**Purpose:** The Art of controlling motion will be learned with the use of the 35mm camera and the use of the shutter controls. The Student will show their mastery of controlling motion by shooting, developing, and printing a roll of film with the intent of capturing pictures that shows motion blurred. Three original pieces of Student work (picture) will be turned in to show mastery. Mastery of shutter controls will be shown by the four pieces of work. The Photo development and printing processes will continue to be used and mastered as they do the assignment.

## CTE Standards

1. Apply appropriate technical skills and academic knowledge.
2. Communicate clearly, effectively, and with reason.
3. Develop an education and career plan aligned with personal goals.
4. Apply technology to enhance productivity.
5. Utilize critical thinking to make sense of problems and persevere in solving them.
6. Practice personal health and understand financial literacy.
7. Act as a responsible citizen in the workplace and the community.
8. Model integrity, ethical leadership, and effective management.
9. Work productively in teams while integrating cultural and global competence.
10. Demonstrate creativity and innovation.

Name: \_\_\_\_\_ Period \_\_\_\_\_

## Grading:

Rate your pictures from 1 to 6 in each of the following categories.

	Lowest-----Highest						
Creative	2	4	6	8	10	12	Photos are interesting and Creative.
Computer Images	1	5	10	15	20	25	Contact sheet with 20 Computer Images.
Printing	1	2	3	4	5	6	Demonstrates advanced techniques.
Contrast	1	2	3	4	5	6	Difference between tones. Black to white and middle Gray.
Technical	1	2	3	4	5	6	Free from dust and Chemical Marks. Chemical Process followed.
Blurred 1	2	4	6	8	10	12	Shows Motion blurred.
Blurred 2	2	4	6	8	10	12	Shows Motion blurred.
Blurred 3	2	4	6	8	10	12	Shows Motion blurred.
Blurred 4	2	4	6	8	10	12	Shows Motion blurred.
Rubric	1	2	3	4	5	6	Self Scored.
Meets Deadline	1	2	3	4	5	6	Meets deadline.
Time Management	1	2	3	4	5	6	Productive use of time.
Assignment	1	2	3	4	5	6	Meets assignment criteria.

Total \_\_\_\_\_/105

## Controlling Motion

**Motion can be controlled by the shutter speed.** A rule of thumb is anything from 1/125 and faster will freeze motion and everything 1/60 and slower will cause motion to blurr.

1/8 1/15 1/30 1/60 1/125 1/250 1/500 1/1000  
←----- Blurr Freeze -----→

Using a combination of F/Stop (Aperture) and Shutter to Control exposure.

### Sunny Rule of 16

125  
F/11  
Bright Sunlight

125  
F/5.6  
Shade

#### Bright Sunlight

1/8 1/15 1/30 1/60 **1/125** 1/250 1/500 1/1000 1/2000  
F/22 F/16 **F/11** F/8 F/5.6 F/4 f/2.8  
←----- Blurr Freeze -----→

#### Shade

1/8 1/15 1/30 1/60 **1/125** 1/250 1/500 1/1000 1/2000  
F/16 F/11 F/8 **F/5.6** F/4 F/2.8 F/2  
←----- Blurr Freeze -----→

### Define the Terms:

1. Shutter
2. Automatic Camera
3. Exposure
4. Panning