

# Lab 2: *Shutter speed*

Grab your Camera! Make sure to charge your battery!

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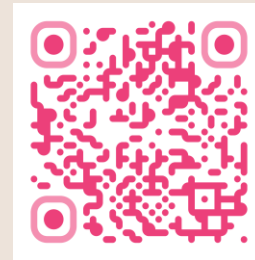
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aritra-evolves.github.io



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[Shaif\\_goal\\_7@tamu.edu](mailto:Shaif_goal_7@tamu.edu)



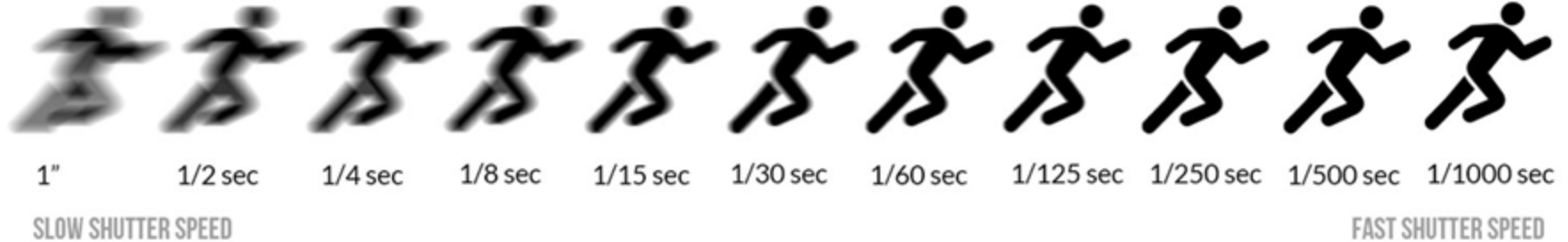
# Understand the basic of shutter speed



Shutter speed determines the **duration of light exposure** on the sensor

# SHUTTER SPEED

## MOTION



## LIGHT



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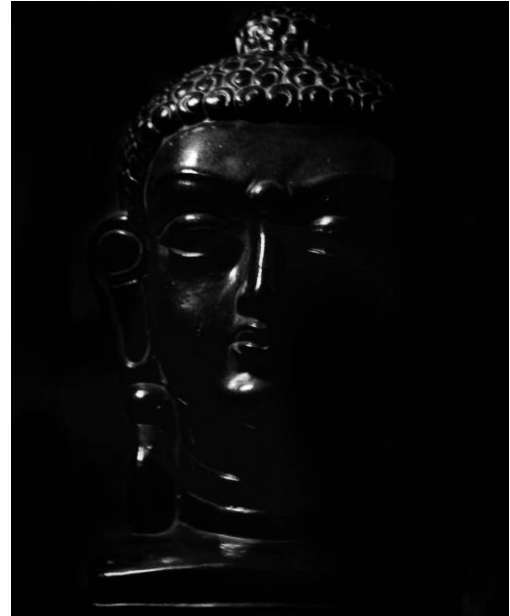
<https://visualeducation.com/shutter-speed-explained/>

# What can you do with shutter speed?

Motion blurr



Brightness



Keep playing with camera, understand shutter speed!

**Shutter Speed:**

```
graph LR; A[Shutter Speed:] --- B[1/Focal Length (when on a tripod)]; A --- C[1/60 when hand holding the camera]
```

1/Focal Length  
(when on a tripod)

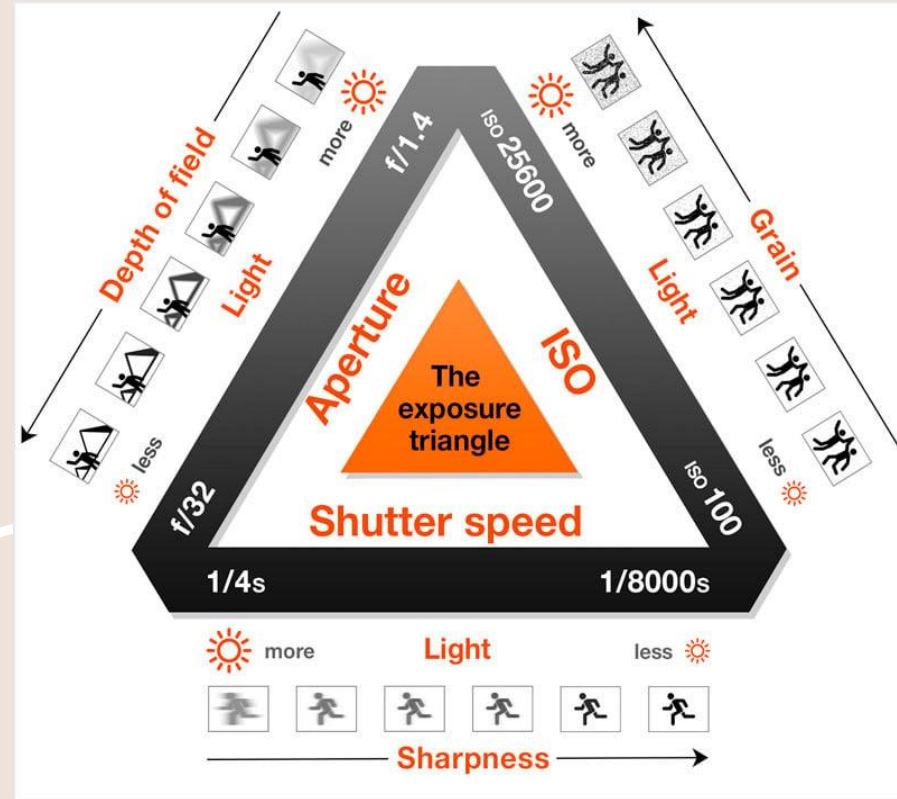
1/60 when hand  
holding the camera

# Stops of Light

You will hear this term in Forensic Photography as well as Photography in general.

To obtain one stop of light:

1. You can half your shutter speed denominator OR
2. divide your f stop by 1.4 OR
3. double your ISO



<https://petapixel.com/exposure-triangle/>

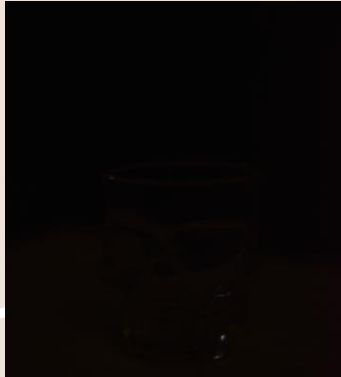
# Spot the difference!

*Poor lighting*

Shutter speed: 1/60

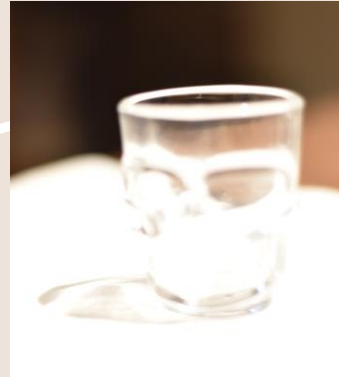


Shutter speed: 1/1000



*Better lighting*

Shutter speed: 1/60



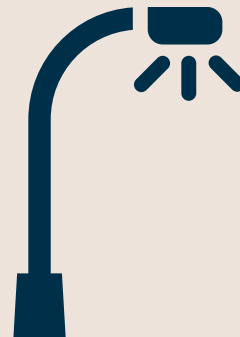
Shutter speed: 1/1000



# Exercise!



Take pictures in and around Heep practicing changing shutter speed/fstop keeping in mind ISO from last lab!



Go to areas of diverse lighting and change the shutter speed to get the best quality photo!



## Tips:

- No feet or other people in your pictures
- Ensure the ENTIRE picture is in focus
- No hands or objects blocking the camera lens
- Ensure the lighting is not over or under exposed

All photos will get  
submitted under  
your group folder  
for Lab #2

Google Drive → Lab #2 Folder → Create  
a Folder with YOUR name → Download  
ALL photos

# Digital Portfolio

**Each week you will  
submit your 2 best  
photos!**

You will RENAME the file to the name of the lab and photo number

For this lab:

Lab #2-Photo 1

Lab #2- Photo 2

Lab Worksheet (Post Lab  
Questions) due next week on  
Canvas!

