

Name _____

Date _____

Engineering Technology Department

Period _____

Working with Shutter Speeds

Directions: You will be taking 2 pictures of your partner waving their arm at a fast rate on one side of their body. If at any time your pics are not properly exposed you have done something incorrect.

Procedure:

- Manual mode
- Reset camera
- Focal distance 35mm
- Af area mode - single
- Auto focus

- Pic #1
 - Adjust camera
 - ISO 800
 - Aperture size: f/22
 - Take first pic using the shutter speed to balance light meter
 - Record shutter speed: _____

- Pic #2
 - Adjust camera
 - ISO 2000
 - Shutter speed 1/50.
 - Take second pic using aperture size to balance light meter
 - Record aperture size: _____

- Pic #3
 - Adjust camera
 - ISO 3200
 - Aperture size: f/5
 - Take third pic using the shutter speed to balance light meter
 - Record shutter speed: _____

- Transfer photos to your H: drive in a folder titled **Shutter Speed**
 - Label pics: pic 1, pic 2 and pic 3

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Directions: Answer the following questions while comparing the three photos to the camera settings used to achieve proper exposure in each photo.

1. Explain why in pic #1 everything is blurry?
2. Explain why in pic #2 just the person's arms are blurry?
3. Explain why in pic #3 the entire person is clear?
4. What was the importance of changing the ISO in pic #3 from 800 to 2000?