

PHOTOGRAPHY EXPOSURE TRIANGLE

Click & Access the Exposure Triangle Photo Guide: DaveMorrowPhotography.com/exposure-triangle

Shutter Speed (SS)

CLICK & ACCESS THE SHUTTER SPEED PHOTO GUIDE

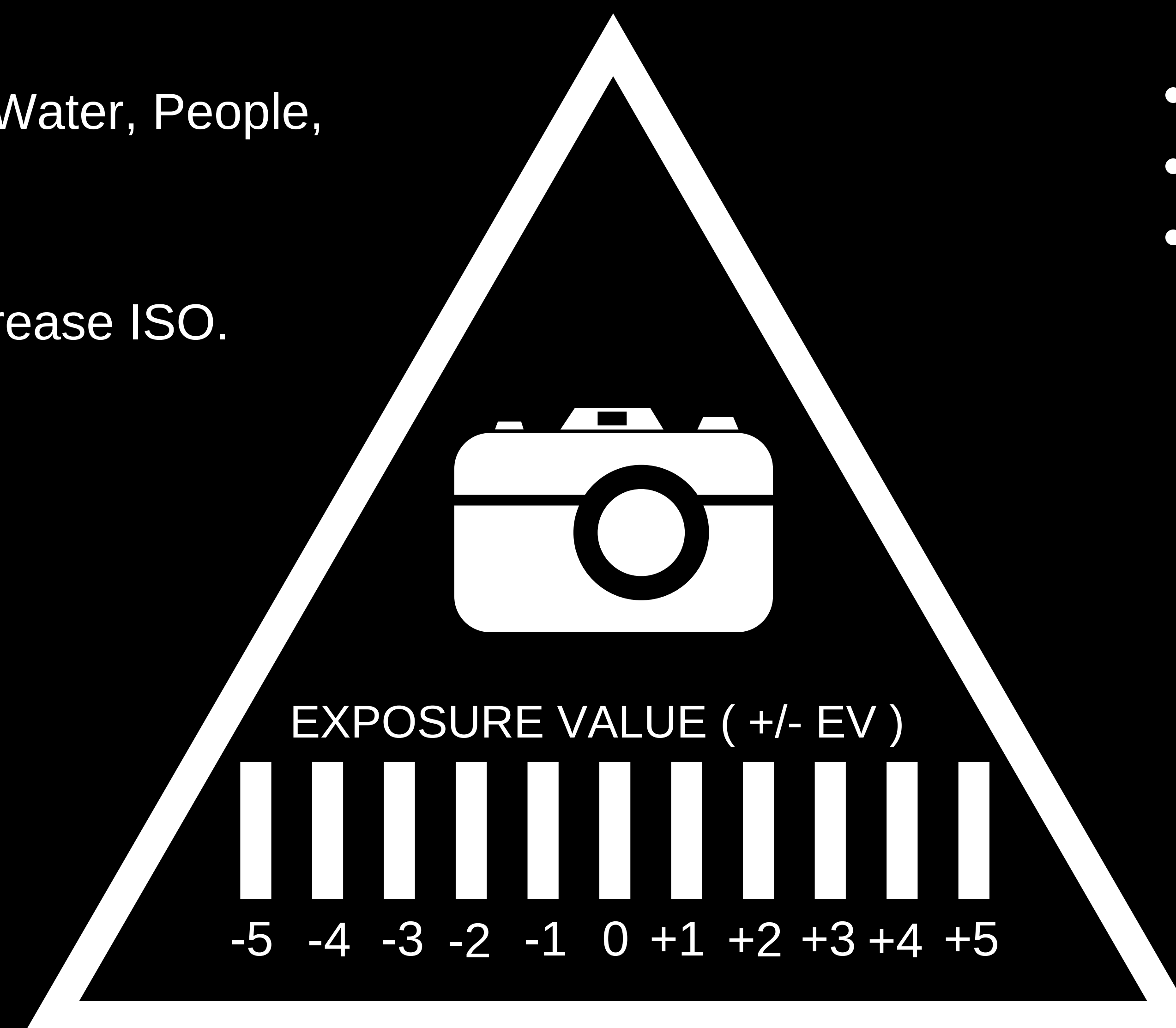
Image Attributes: Motion Blur, Freeze Fast Objects

+ Increase

- Induce Motion Blur for Moving Objects (Water, People, Animals)
- +EV (More Light = Brighter Image)
- To Maintain EV = Increase f-stop or Decrease ISO.

- Decrease

- Freeze Moving Objects (Water, People, Animals)
- -EV (Less Light = Darker Image)
- To Maintain EV = Decrease f-stop or Increase ISO.



ISO

F-Stop

CLICK & ACCESS THE ISO PHOTO GUIDE

CLICK TO LEARN ABOUT EV & METERING

CLICK & ACCESS THE F-STOP PHOTO GUIDE

Image Attributes: Noise,
Signal Amplification

0EV = Optimal Exposure - Meter Determined

-EV = Underexposed - Meter Determined

+EV = Overexposed - Meter Determined

1EV Difference = 1 Stop Difference

F-Stop Controls Aperture Diameter

Image Attributes: Depth of Field (DOF),
Focus Range, Sharpness, & Sun Star

+ Increase

- Increased image noise
- +EV (Increased Signal Amplification = Brighter Image)
- To Maintain EV = Decrease Shutter Speed or Increase f-stop

+ Increase

- Increased Depth of Field / Focus Range
- -EV (Less Light = Darker Image)
- To Maintain EV = Increase Shutter Speed or Increase ISO

- Decrease

- Decreased image noise
- -EV (Decreased Signal Amplification = Darker Image)
- To Maintain EV = Increase Shutter Speed or Decrease f-stop

- Decrease

- Decreased Depth of Field & Larger Aperture Diameter
- +EV (More Light = Brighter Image)
- To Maintain EV = Decrease Shutter Speed or Decrease ISO

Click & View ISO Attributes

Click & View SS Attributes -

Click & View F-Stop Attributes

- 25-50: Longer SS, Low Noise
- 100-250: Standard Shooting, Low Noise
- 250-800: Low Light, Shorter SS
- 800-1600: Very Low Light, Shorter SS
- 1600-6400: Star, Milky Way & Night Sky

- 1/8000-500: Freeze Fast Objects, Bright Day
- 1/500-125: Motion Blur Fast Objects
- 1/125-30: Sunrise / Sunset, Tripod Shooting
- 1/30-10s: Detailed Water, Motion Blur
- 10s-30s+: Smooth Water, More Motion Blur, & Night Sky Photography

- f/1.4-2.8: Short DOF, Low Light, Night Sky, Shorter SS, Single Subject
- f/4-5.6: Single Subject w/ Background Detail
- f/8-16: Sharpest w/ Long DOF, Landscape & Travel, Longer SS
- f/22-32: Sun star, Longer SS, Diffraction & Decreased Sharpness