

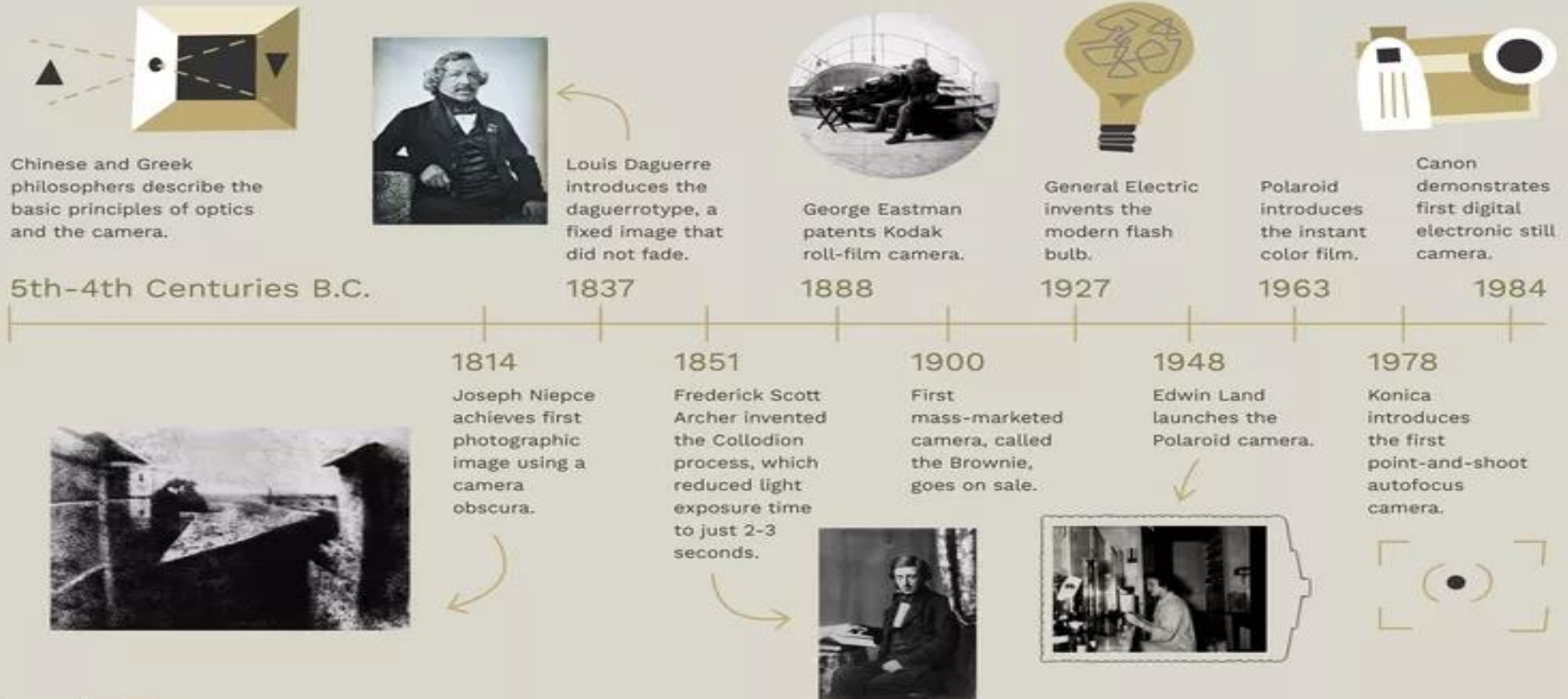


PHOTOGRAPHY BASICS

Writing Our Story with Light

HISTORY

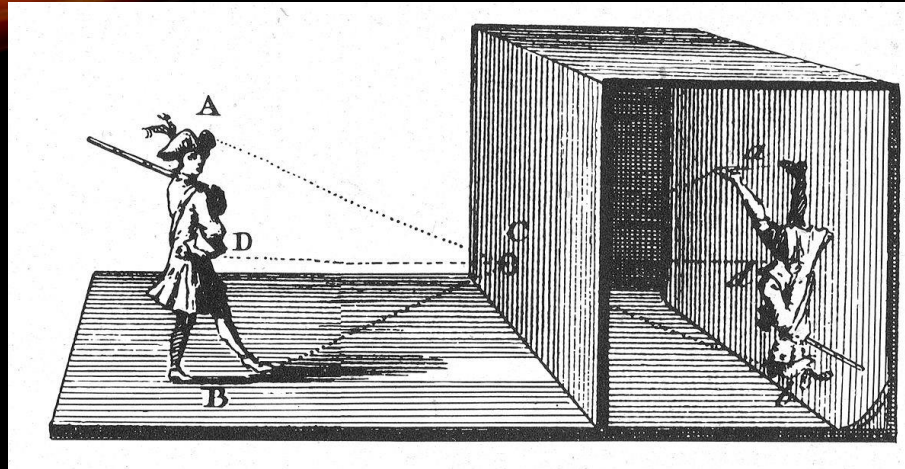
The History of Photography





Began in 4th to 5th
Centuries B.C.

The Chinese and Greek Philosophers
described the basis of optics



Camera obscura, also referred to as pinhole image, is the natural optical phenomenon that occurs when an image of a scene at the other side of a screen is projected through a small hole in that screen as a reversed and inverted image on a surface opposite to the opening. The surroundings of the projected image have to be relatively dark for the image to be clear, so many historical camera obscura experiments were performed in dark rooms.

WIKIPEDIA

1800S

1814 Niepce first photograph with camera obscura

1837 LOUIS DAGURRE first Image that was fixed and needed under 30 minutes to develop

20th century

1900 kodak brownie camera first marketed
1913 first 35mm film camera marketed





1975 digital
photography invented

1984 the first massed
produced Digital
camera



1984

The first digital camera is marketed:

Canon put out the first digital camera for the public, which was later improved by Pixar.





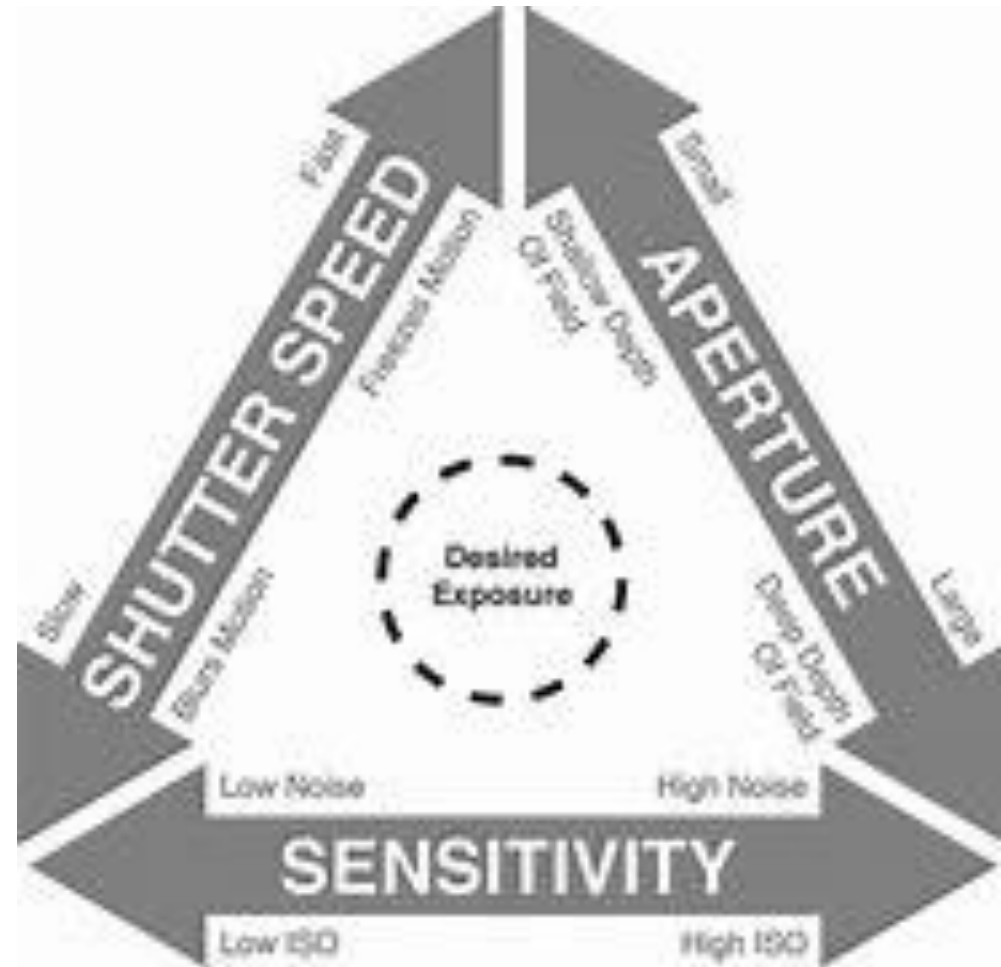
Today's Digital camera : Mirrorless



Phone Cameras are every where

CAMERA BASICS

- Shutter speed
- Aperture
- ISO



APERTURE

How big the opening is
Large opening lets in a
large amount of light

Small opening small
amount of light

APERTURE



f2.8



f4



f5.6



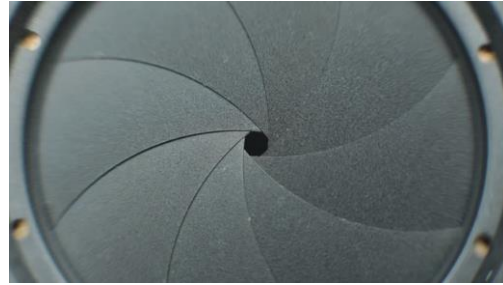
f8



f11



f16



DEPTH OF FIELD

Depends on Aperature



SHUTTER SPEED

- How long shutter is open
- Action shot you want fast speed
- Landscape Slower



ISO

- ISO simply stands for the International Organization of Standardization , which is the main governing body that standardizes sensitivity ratings for camera sensors (among many other things). The term was carried over from film, when the ISO rating was known as the “ film speed ” and “ASA.” May 22 2019

www.digitaltrends.com/photography/what-is-iso/

ISO Sensitivity to Light



Same shutter speed and aperture, different ISO



HIGH ISO
ALSO MEANS
HIGH GRAIN



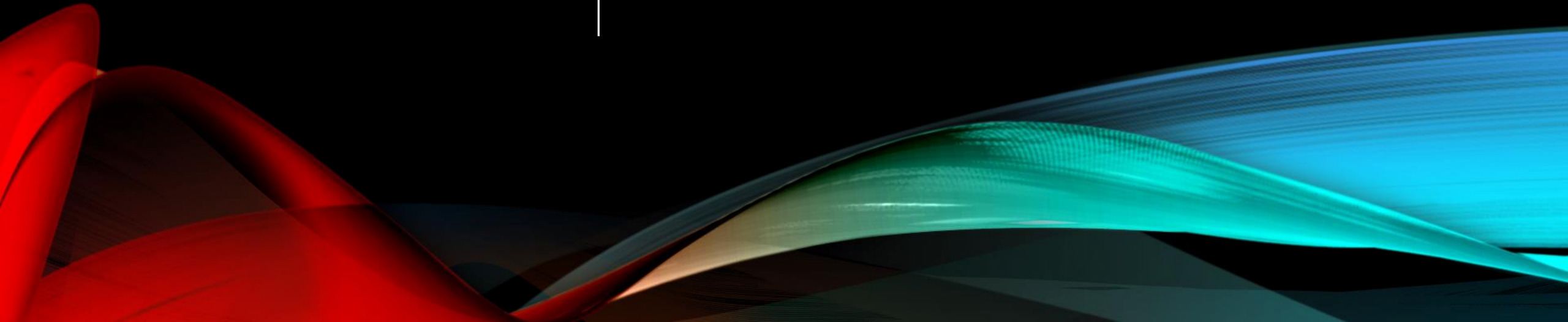




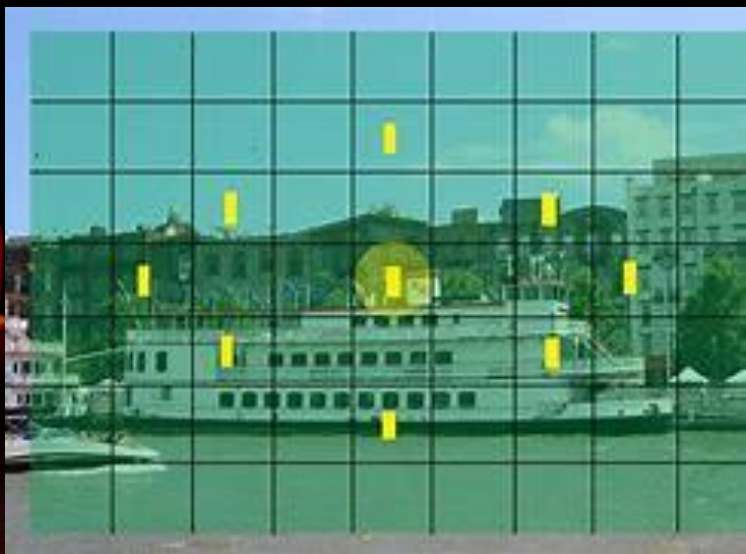
High ISO Pictures 3200 to 6400

Matrix metering
Spot Metering
Centered Metering

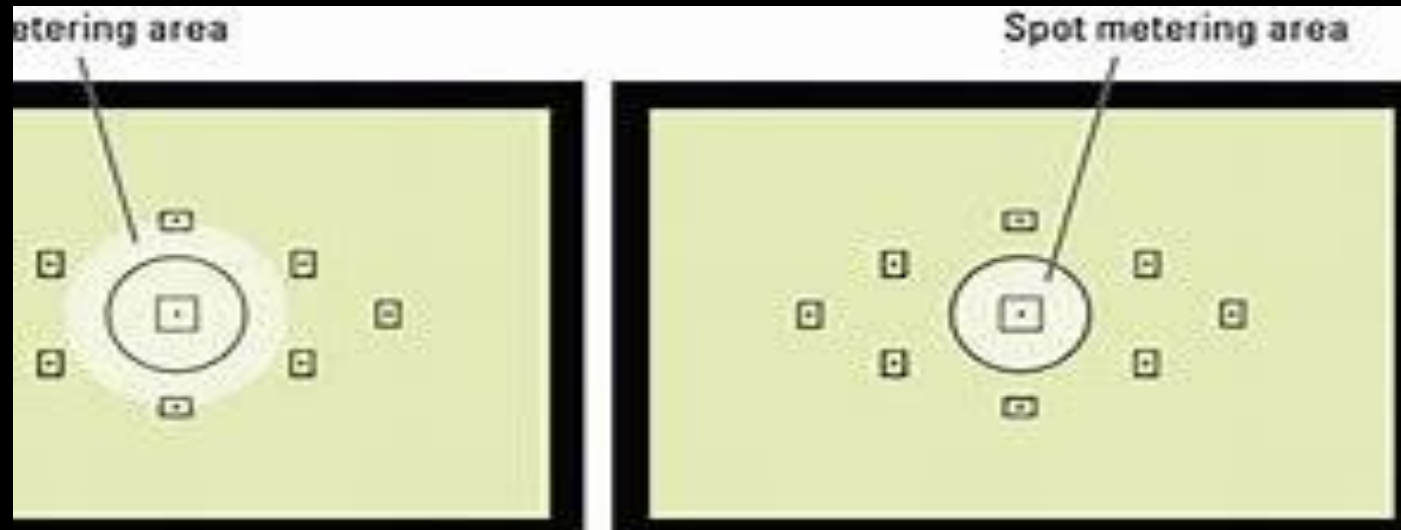
SETTING THE EXPOSURE



MATRIX METERING



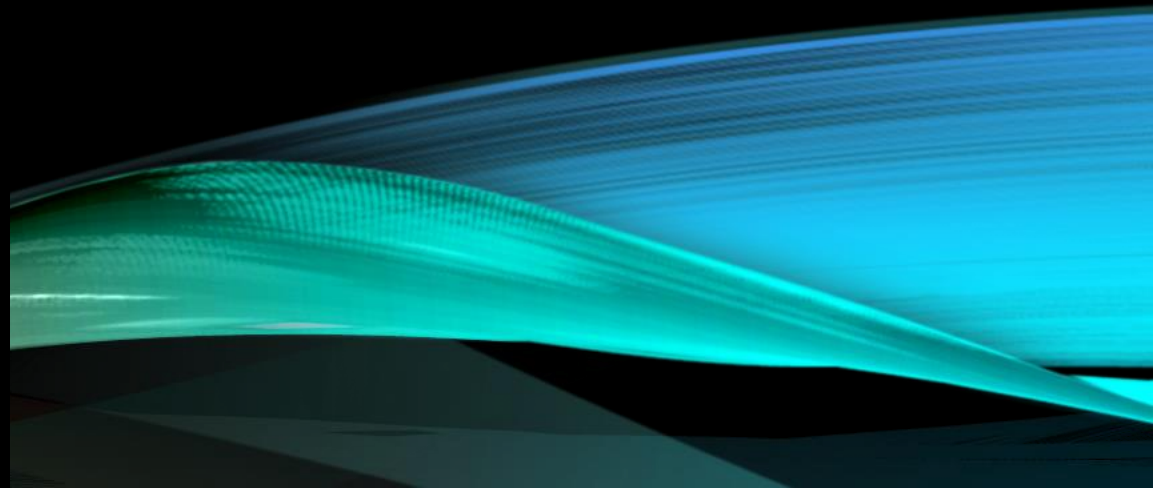
SPOT METERING







SEEING LIGHT





LIGHTING

- Natural light
- Artificial
- Back lighting
- Fill lighting



SUNDOWN OVER THE TOWN

SUNDOWN OVER THE TOWN



PHOTOGRAPHY BY
NATVAN NICKEL



LIGHTING

LIGHTING

- Direction
- Intensity



SEEING THE
LIGHT AND
ADDING

Reflectors

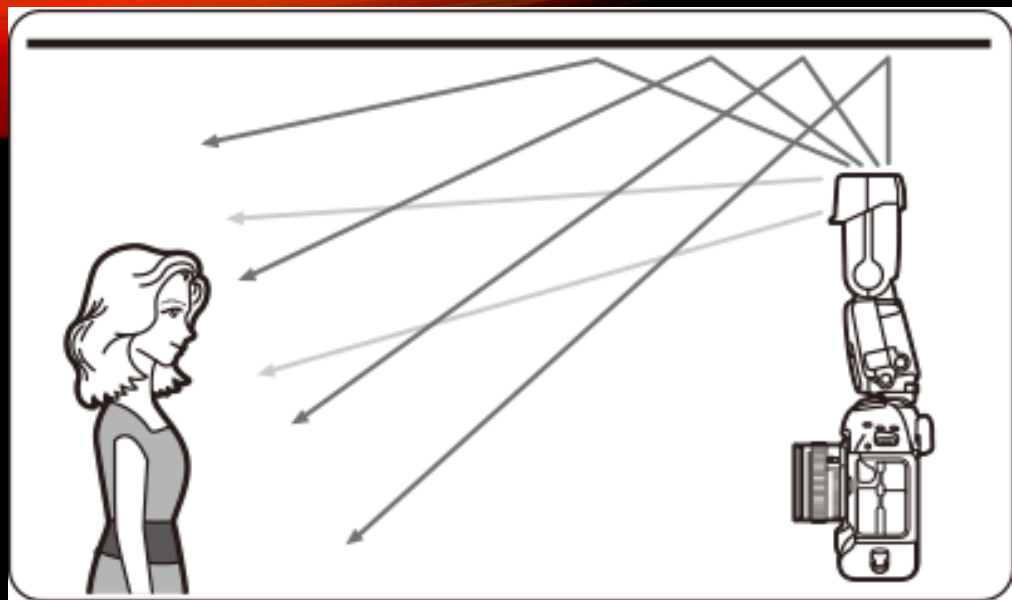
Flash

ADDING LIGHT WITH FLASH



BOUNCING FLASH





FILL LIGHTING



FILL FLASH





FLASH MODIFIERS



VERSATILITY ON THE CHEAP



REFLECTORS



IMPROVISE



BEST LIGHT TO SHOOT IN



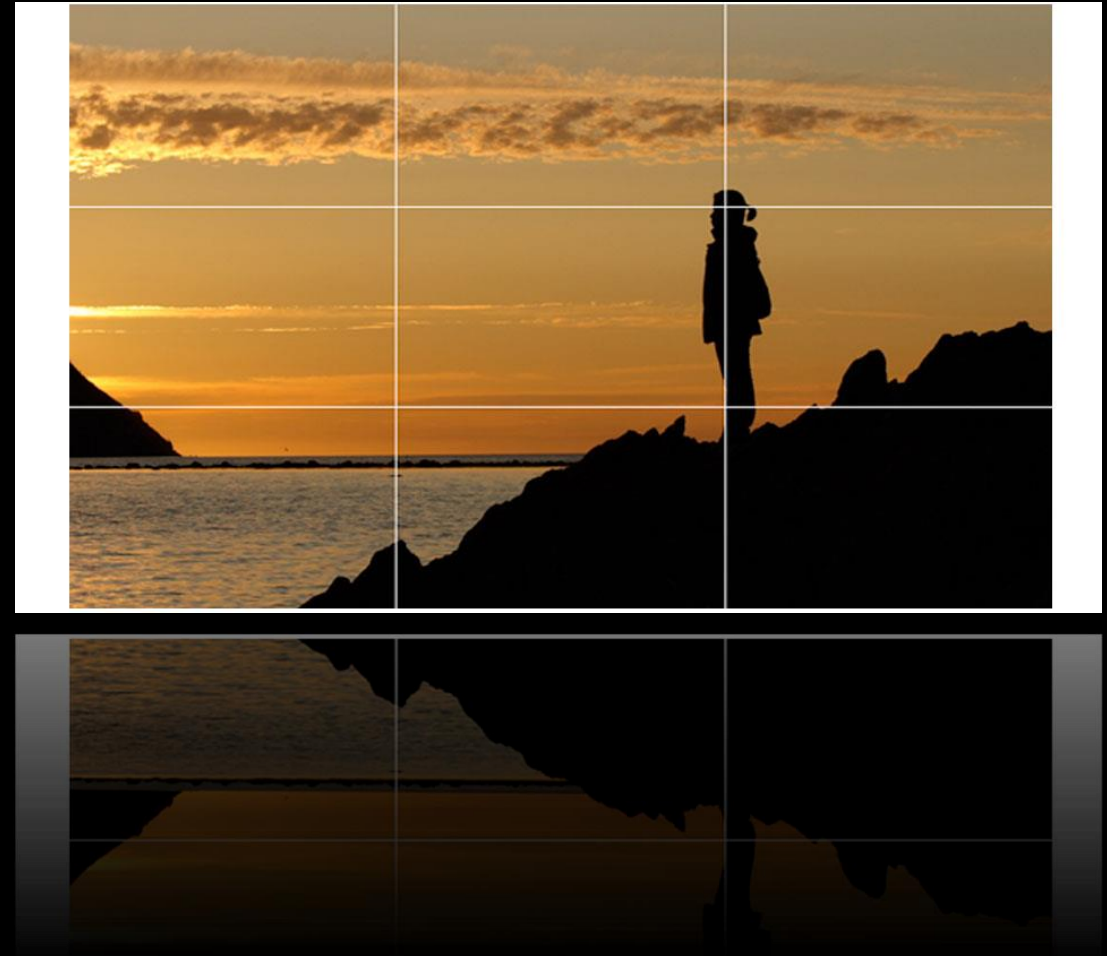
Golden Hour One hour
after sunrise and One
hour before sunset

GOLDEN HOUR



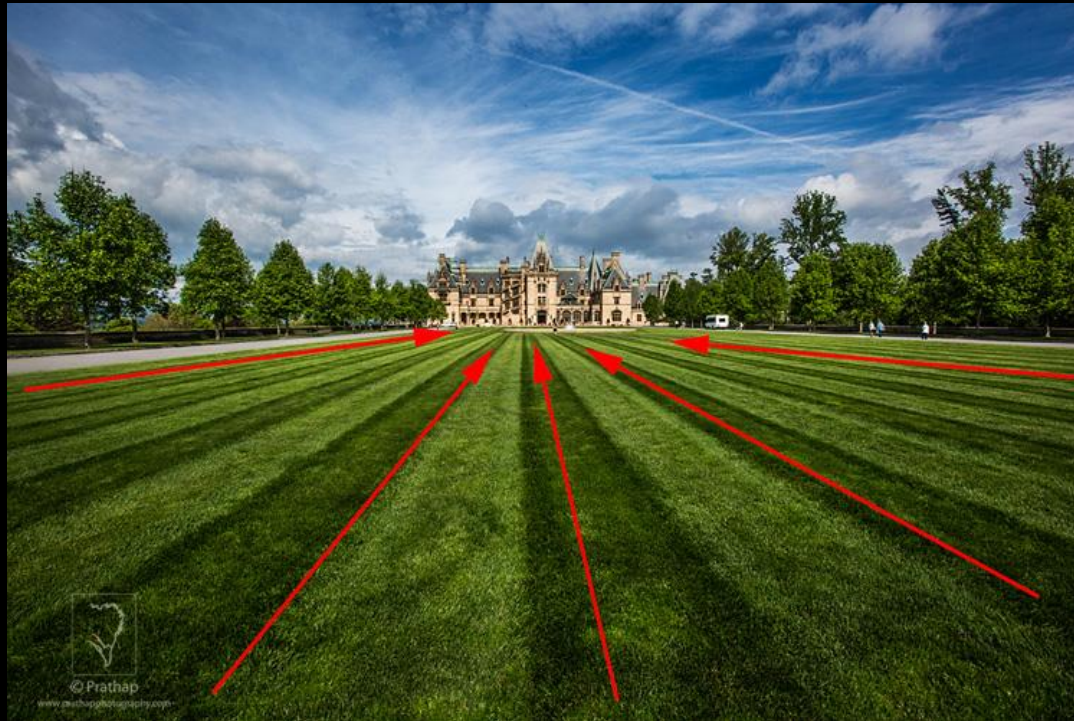
COMPOSITION

- Rule of Thirds



COMPOSITION

- Leading lines



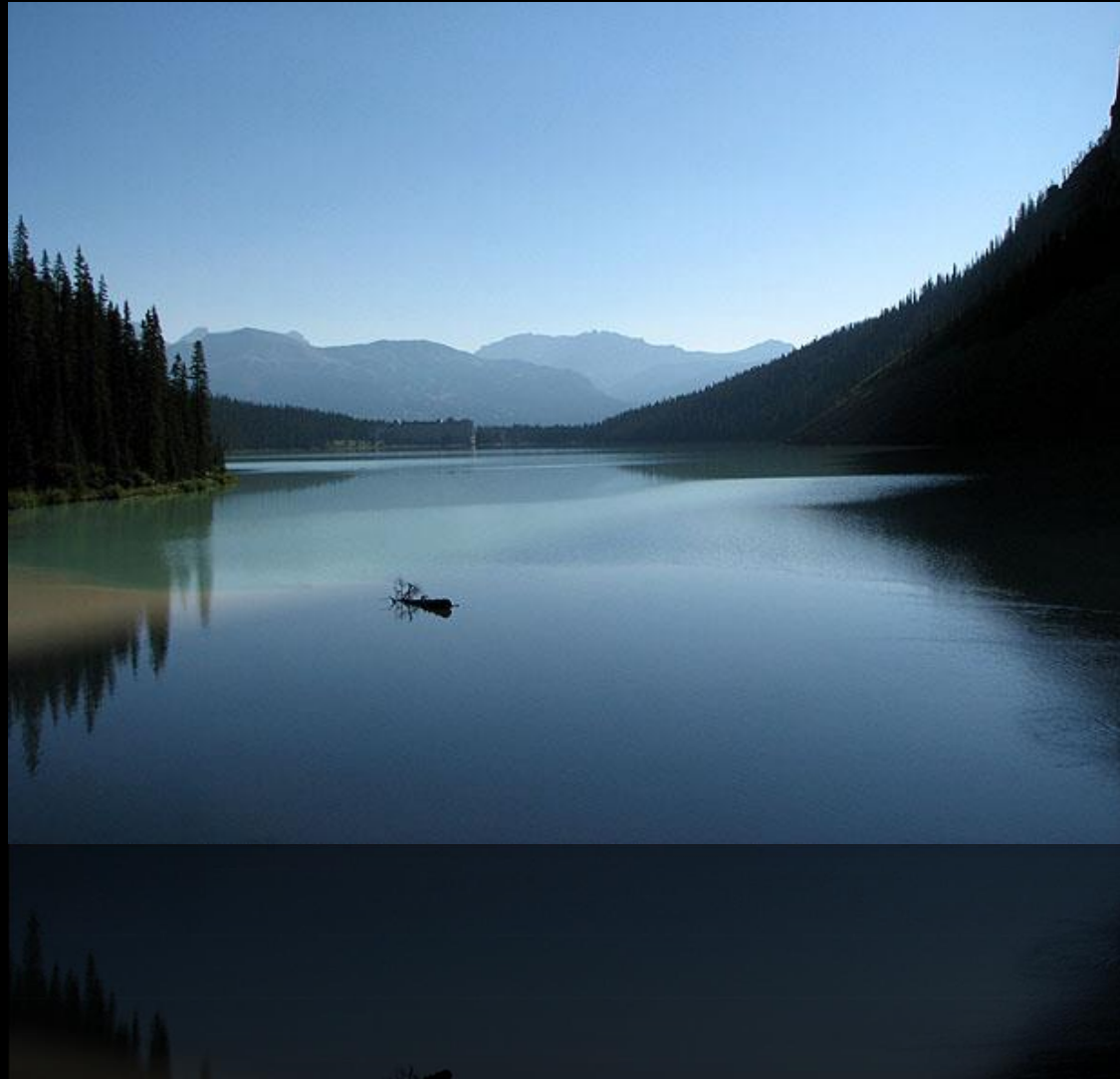
COMPOSITION

- Symmetry And Patterns



COMPOSITION

- Framing



RULE OF THIRDS

- Avoid putting subject on the middle





LEADING LINES





LEADING LINES

FRAMING



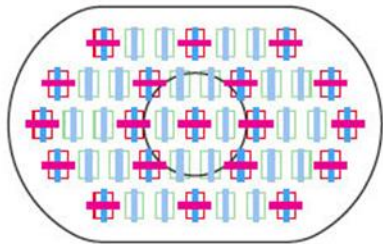
HOW TO HOLD CAMERA



GETTING SHARP PICTURES

1. Fast enough shutter speed : Rule of thumb $1/\text{focal length}$ so if using a 50mm lens minimum $1/50$ Reads as 50 on your camera . Moving objects much higher .
2. Use a smaller aperture f /8 of 11
3. Use cross type focus points
4. Using Live View and Zooming In

CROSS TYPE FOCUSING



□: Cross-type AF points □: Assist points
(Not user-selectable)

■: f/2.8 sensors (Center AF point is f/4)

■: f/5.6 sensors

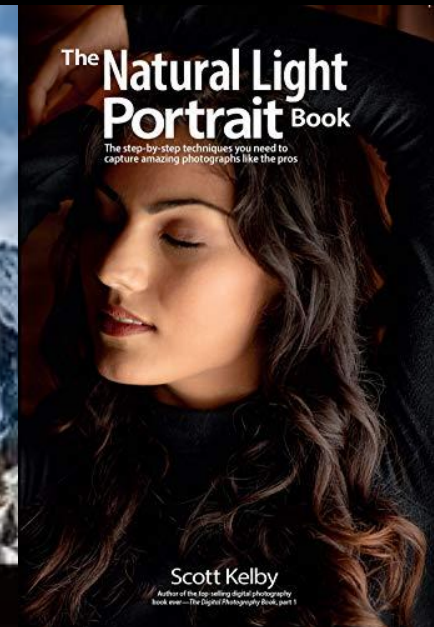
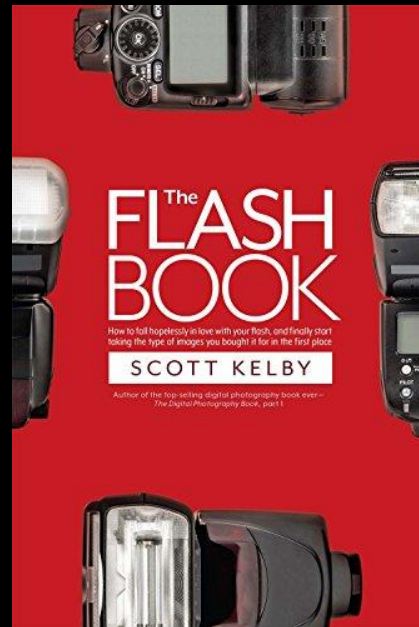
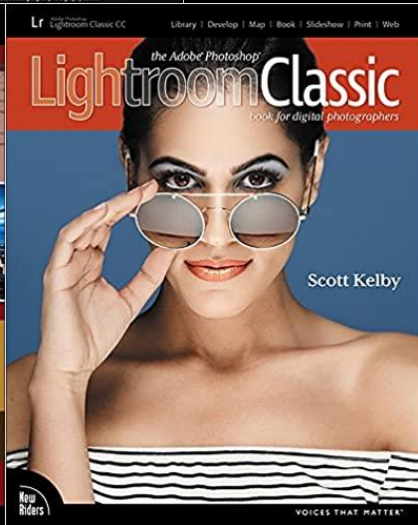
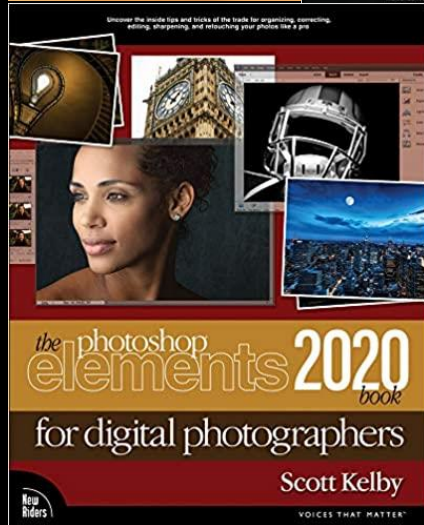
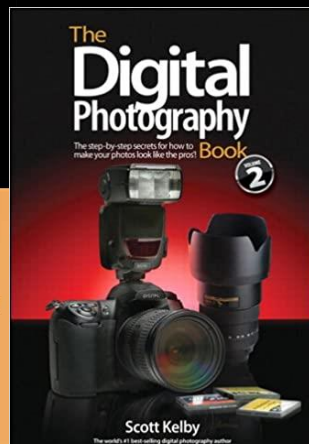
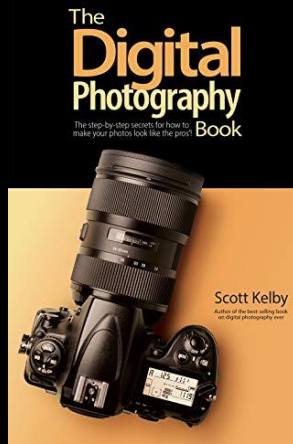




USING TRIPOD



BOOKS



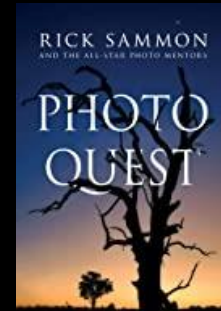
Scott Kelby

Rick Sammons



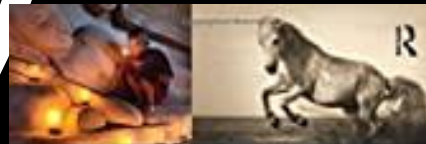
RICK SAMMON'S CREATIVE VISUALIZATION FOR PHOTOGRAPHERS

COMPOSITION, EXPOSURE, LIGHTING, LEARNING, EXPERIMENTING,
SETTING GOALS, MOTIVATION AND MORE

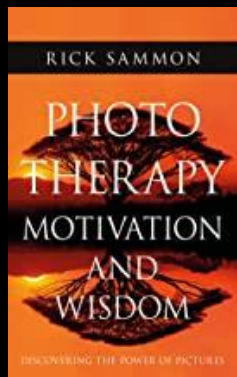


RICK SAMMON AND THE ALL-STAR PHOTO MENTORS PHOTO QUEST

DISCOVERING YOUR
PHOTOGRAPHIC & ARTISTIC VOICE



RICK SAMMON'S EVOLUTION OF AN IMAGE A BEHIND-THE-SCENES LOOK AT THE CREATIVE PHOTOGRAPHIC PROCESS



RICK SAMMON PHOTO THERAPY MOTIVATION AND WISDOM

UNCOVERING THE POWER OF PICTURES

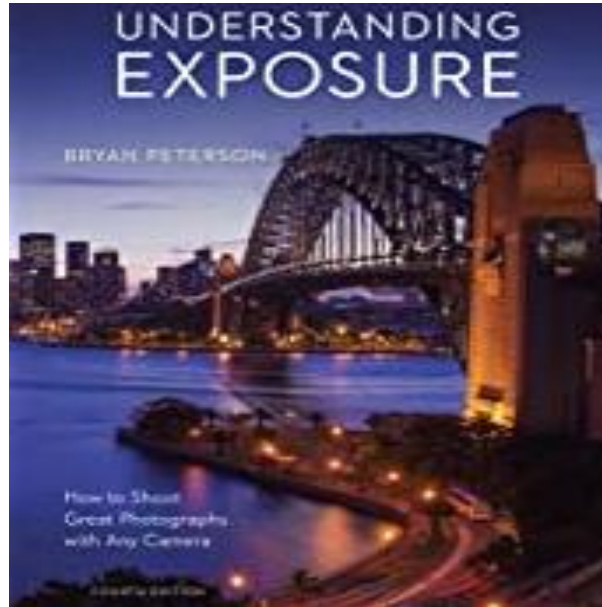


RICK SAMMON'S EXPLORING PHOTOGRAPHIC EXPOSURE

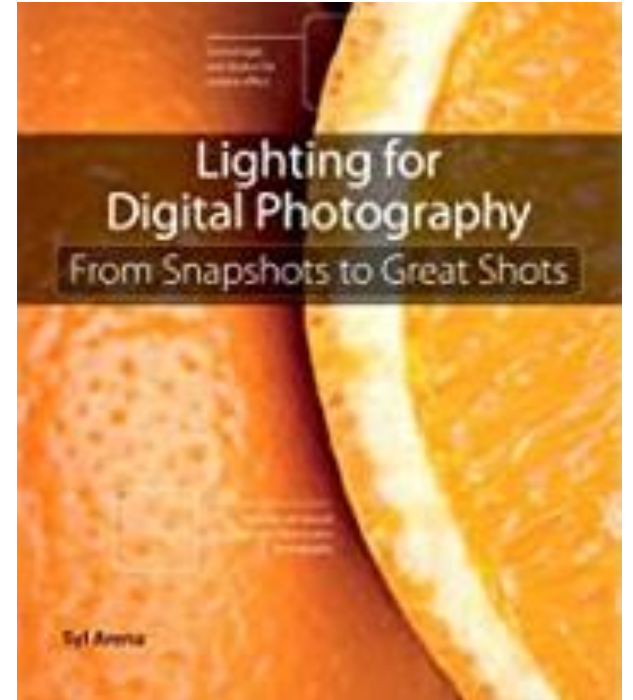
MASTER IMAGE CAPTURE



Joe McNally



Bryan Peterson



Syl Arena

For More Information on the
Killbuck Photo Guild

Email:
killbuckphotoguild@gmail.com

THANK YOU



QUESTIONS????????