



# CLASS REVIEW

# Topics Covered

Exposure: basics & creative

Focusing

Camera modes

Composition

Light

Editing


Landscapes/Nature

Moon


Storytelling

Portraits

Cameras & lenses




Three Keys  
to Successful Picture




Three Keys  
to Successful Picture

1. Exposure




## Three Keys to Successful Picture

1. Exposure
2. Focus




## Three Keys to Successful Picture

1. Exposure
2. Focus
3. Composition



## Three Keys to Successful Picture

1. Exposure
2. Focus
3. Composition
4. ?



## Three Keys to Successful Picture

1. Exposure
2. Focus
3. Composition
4. Communication



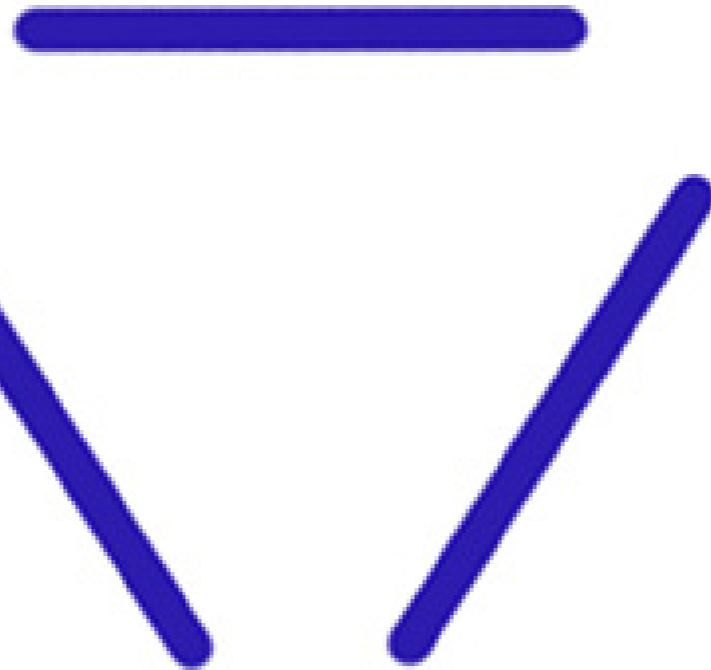
What are the three  
camera settings that affect exposure?



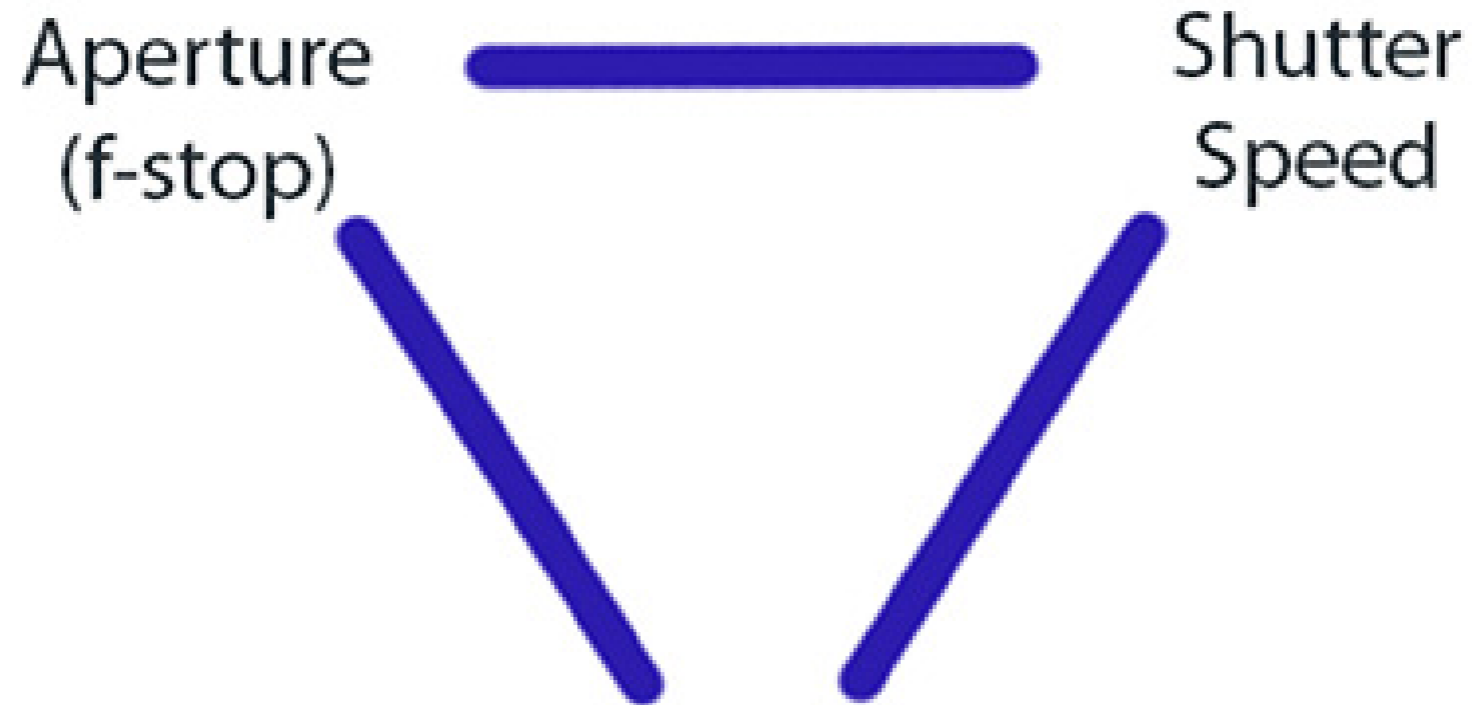
A large, empty, light gray rectangular box intended for the user to write the answer to the question above.

What are the three  
camera settings that affect exposure?

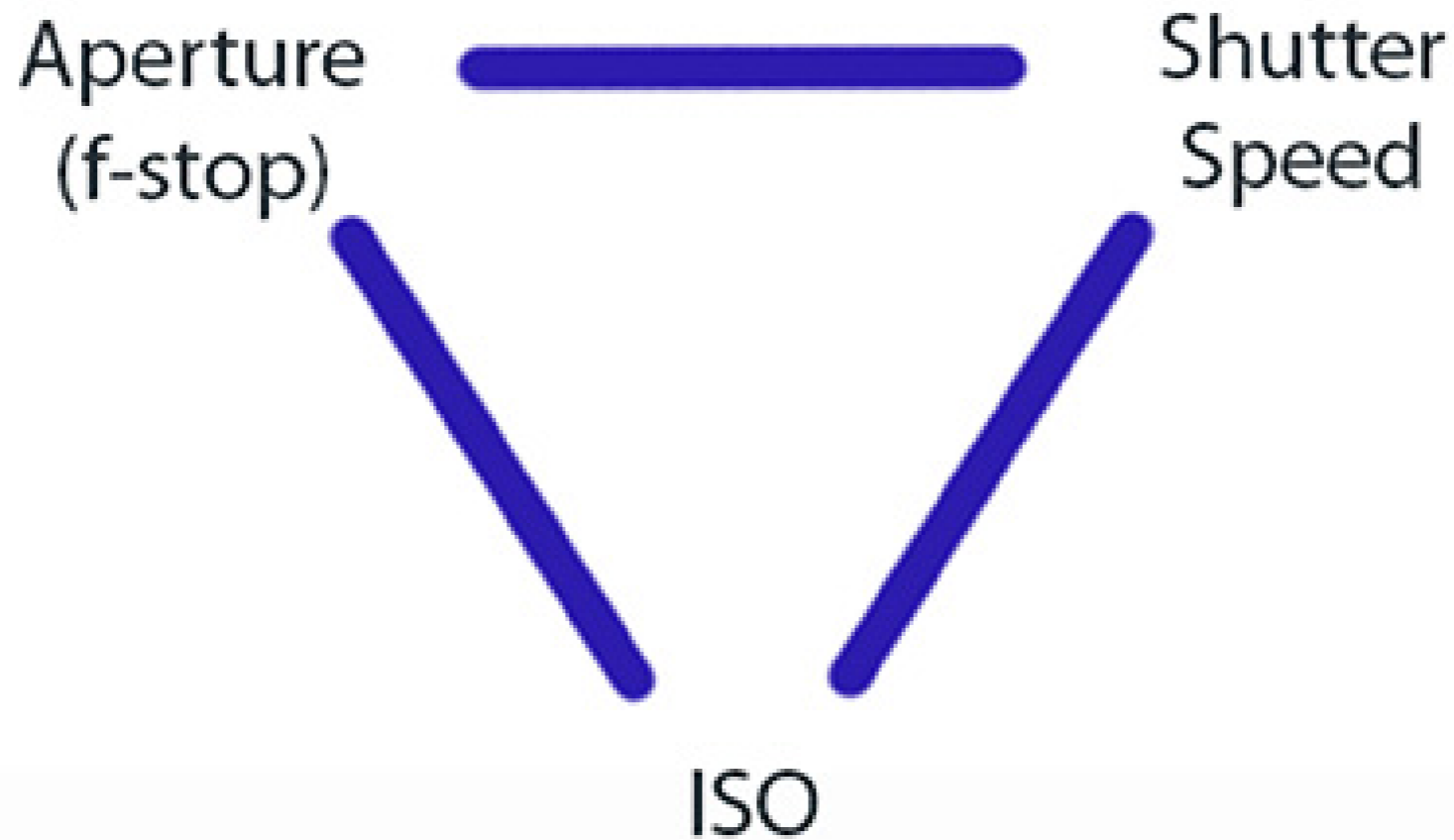
Aperture  
(f-stop)



What are the three camera settings that affect exposure?



What are the three camera settings that affect exposure?



What does ISO do?

# What does ISO do?

Increases the signal's gain.

(Think of it as controlling the sensor's sensitivity to light.)

Does higher ISO make the sensor more or less “sensitive” to light?



When might you want to increase your ISO?





Low light



Need faster shutter speed/  
freeze the action



What might be an unwanted consequence of using a high ISO?



Noise

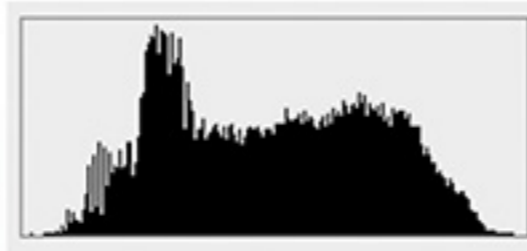
# Auto ISO

- ISO changes to correct settings based on aperture and shutter speed
- Use in Aperture, Priority, Shutter Priority or Manual
- Helpful in general photography, action, travel, street, etc.
- Potential problems:
  - May result in unacceptably high ISO
  - May not work in extreme light or dark situations (won't go high/low enough)

How can you check  
that exposure is correct?

How can you check  
that exposure is correct?

Histogram



How can you  
override/customize exposure  
while in Aperture or Shutter Priority?

How can you  
override/customize exposure?



Exposure Compensation



# Camera Modes

# Camera Modes

Aperture Priority

# Camera Modes

## Aperture Priority

- You set aperture, camera sets shutter speed

# Camera Modes

## Aperture Priority

- You set aperture, camera sets shutter speed

## Shutter Priority

# Camera Modes

## Aperture Priority

- You set aperture, camera sets shutter speed

## Shutter Priority

- You set shutter speed, camera sets aperture

# Camera Modes

## Aperture Priority

- You set aperture, camera sets shutter speed

## Shutter Priority

- You set shutter speed, camera sets aperture

## Manual Exposure

- You set aperture, shutter speed, ISO

# Getting the “Correct” Exposure

- Aperture Priority. set aperture and check shutter speed. Adjust aperture and/or ISO as necessary.
- Shutter Priority. Set shutter and check aperture. Adjust shutter speed and/or ISO as necessary.
- Manual. Adjust aperture, shutter speed and/or ISO until light meter indicate proper exposure.

# White Balance: What does it do?





# White Balance: What does it do?



White balance adjusts color temperature to make colors appear natural, to make white look white.



In addition to exposure,  
what else does aperture/f-stop affect?



Three things affect depth of field



Three things affect depth of field

1. Aperture/F-Stop



Three things affect depth of field

1. Aperture/F-Stop
2. Focal Length of Lens



Three things affect depth of field

1. Aperture/F-Stop
2. Focal Length of Lens
3. Proximity to Subject



How do you create shallow depth of field?

F5.6, 400mm

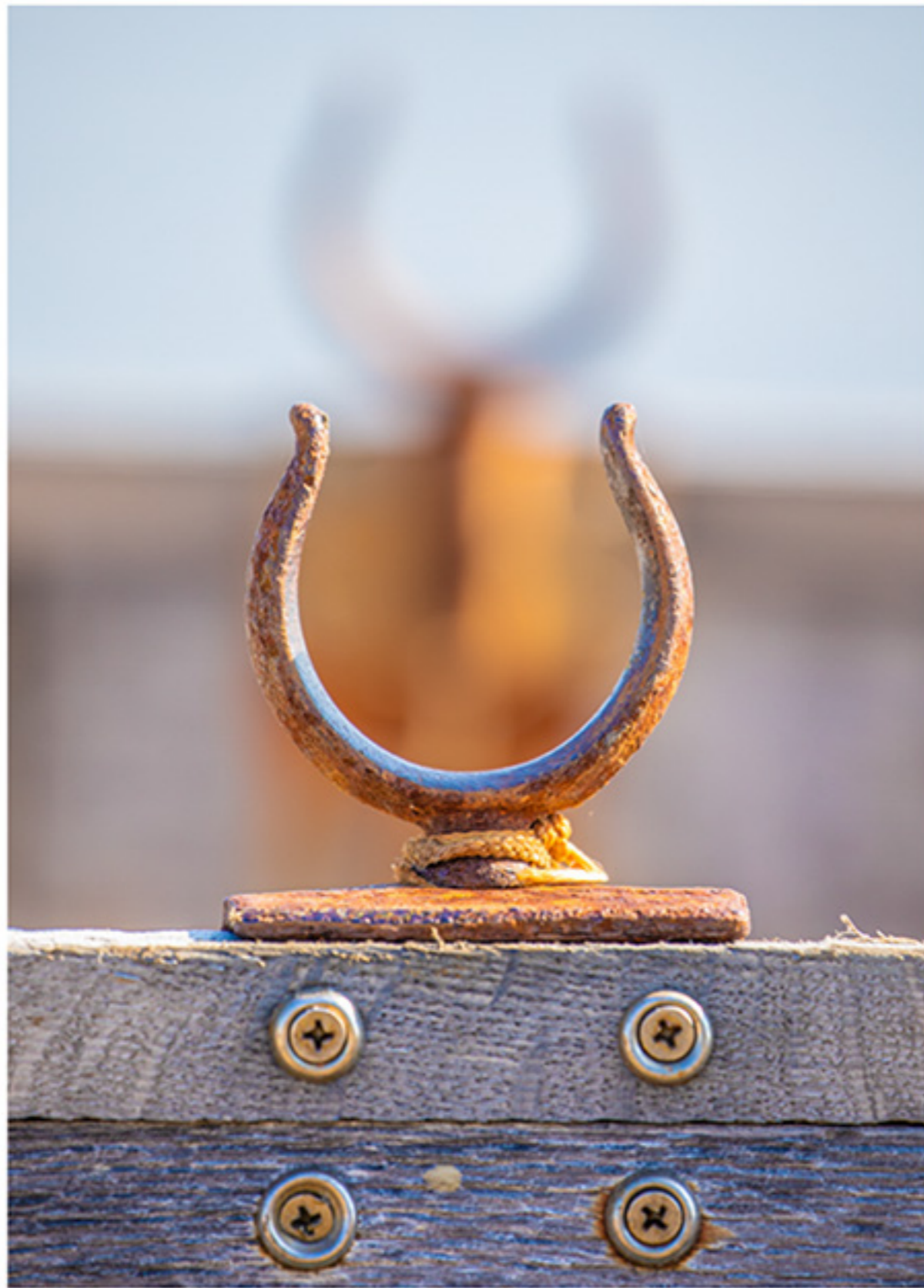


How do you create shallow depth of field?

1. Low f-stop

f5.6, 400mm





How do you create shallow depth of field?

1. Low f-stop

2. Proximity to subject

f5.6, 400mm



F5.6, 400mm

How do you create shallow depth of field?

1. Low f-stop
2. Proximity to subject
3. Long lens



How do you create great depth of field?



How do you create great depth of field?

1. High f-stop



How do you create great depth of field?

1. High f-stop
2. Not too close



How do you create great depth of field?

1. High f-stop
2. Not too close
3. Wide angle lens




How would you blur moving water?



How would you blur moving water?

Long shutter speed.



A long row of white beach houses with green shutters is built on a sandy beach. The houses are elevated on wooden stilts. The sky is a mix of blue and orange, suggesting dusk or dawn. The water in the foreground is blurred, creating a soft, ethereal effect. The houses are arranged in a line that recedes into the distance.

How would you blur moving water?

Long shutter speed.

15 secs.



How do you freeze the action?



How do you freeze the action?  
Fast shutter speed.



How do you freeze the action?  
Fast shutter speed.

Anywhere from 1/250th sec. to 1/4000th+, depending.



Landscape Settings



## Landscape Settings

Aperture: F8-16

ISO: Lowest possible w/appropriate shutter speed

Tripod

Wide angle lens (any lens will do)



# Action Settings



# Action Settings

Shutter Priority or Manual

Shutter speed:  
1/1000th - 1/4000th sec.

Auto ISO

Focus Mode: AF-C/Servo

Drive Mode: High speed

Aperture: Depends on what you want,  
available light, etc.





## Portrait Settings

Lower f-stop for  
shallowish DOF/  
isolation (F-4ish)

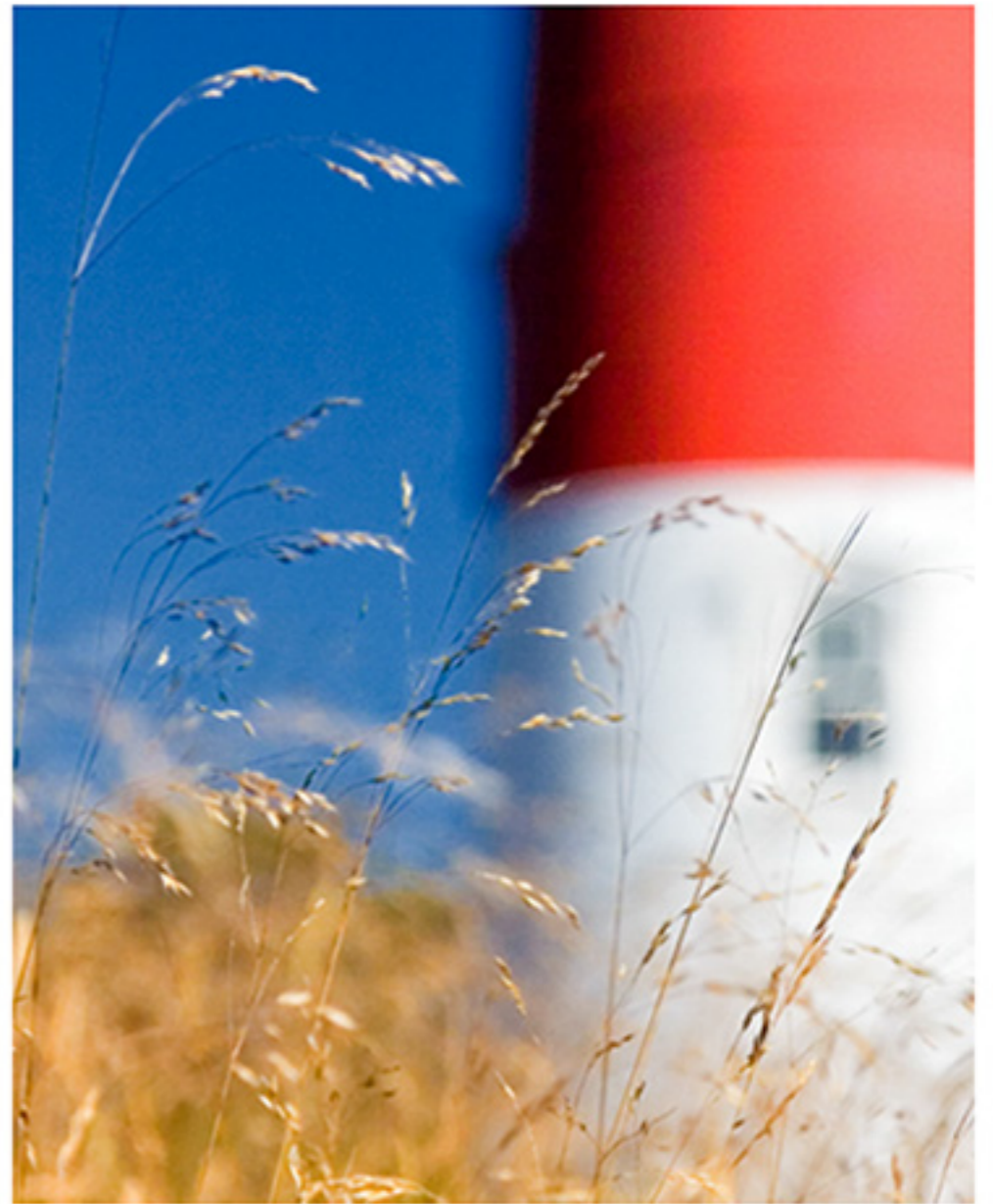
Adjust ISO, shutter speed  
to support aperture



# Portrait Settings

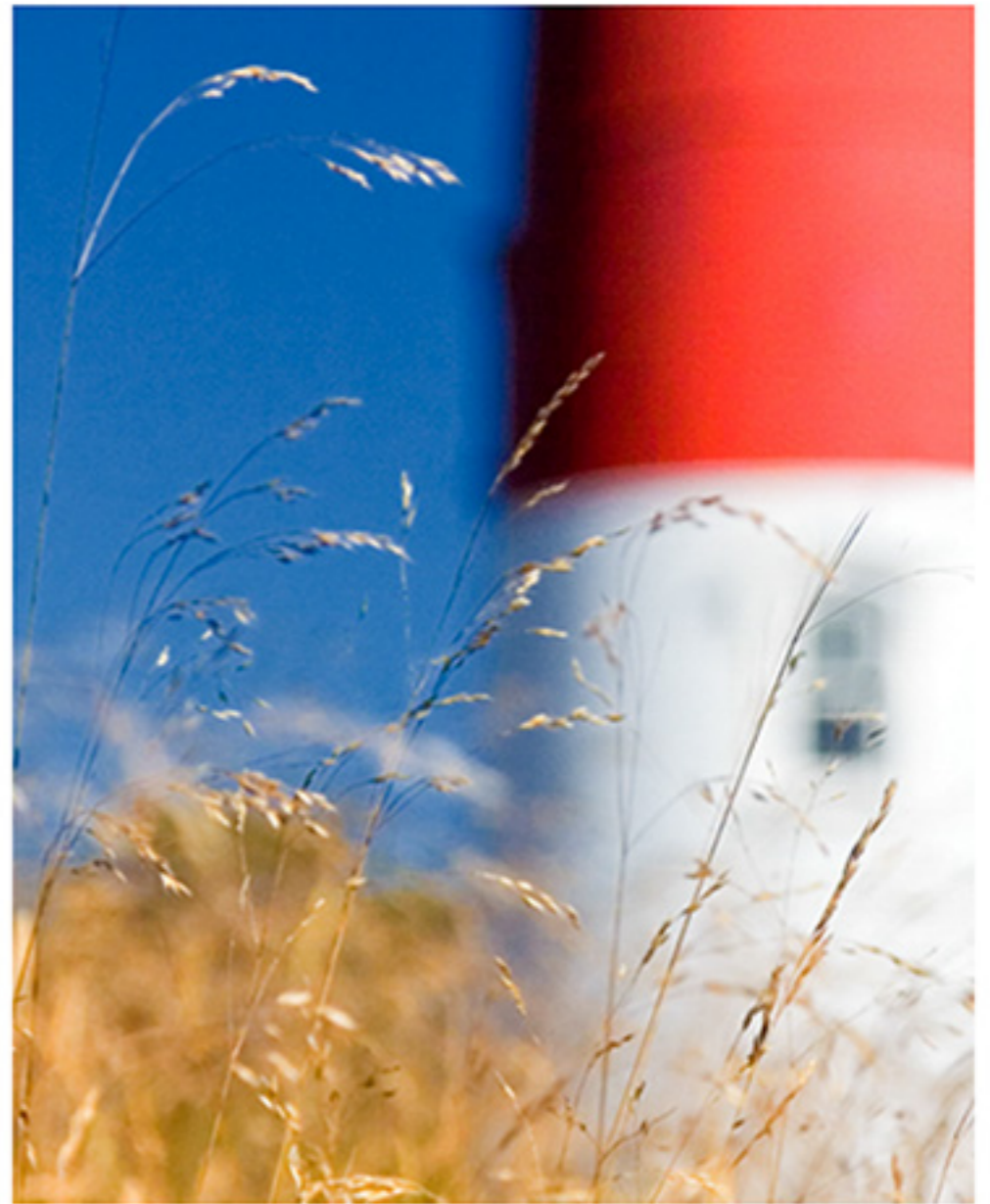


How do you control  
which part of the picture is in focus?



How do you control  
which part of the picture is in focus?

Moving your focus point.



How do you control  
which part of the picture is in focus?

Moving your focus point.

Focus lock.



What are the four characteristics of light?



What are the four characteristics of light?

1. Quantity/Luminence



What are the four characteristics of light?

1. Quantity/Luminance

2. Quality/Direct or Diffuse





What are the four characteristics of light?

1. Quantity/Luminence
2. Quality/Direct or Diffuse
3. Color



What are the four characteristics of light?

1. Quantity/Luminence
2. Quality/Direct or Diffuse
3. Color
4. Direction



What time of day has the “best” light?



What time of day has the “best” light?

Golden hour.

Which is when?



What time of day has the “best” light?

Golden hour.

Which is when?

Hour after sunrise/before sunset (more or less)



Photography is called the art of ... ?



... the art of seeing.



What are some of the key design elements  
in composition?





Framing, focal points, lines, patterns, texture, light, color, etc.

# Composition

*Make it, don't take it*



Work the scene



What's a three-step approach to working the scene?



1. Go wide.



2. Go tighter.



3. Isolate a detail.



After shooting a horizontal...



Shoot a vertical.





What techniques are used here?



Framing  
Depth of field  
Wide angle lens  
Low perspective



What design elements  
are present here?



Leading line

Focal point



What about here?



Focal point, texture, simplicity.



## TOP 12 TIPS

1. Keep it simple
2. It's a picture. Use the viewfinder as a frame (pay attention to the edges)
3. Balance your composition (Rule of Thirds)
4. Look for geometry (Lines, Points, Shapes)
5. See the Light
6. Experiment with Time & Space (use shutter speed & DoF creatively)



## TOP 12 TIPS

7. Work the scene.
8. Use your imagination. Look for expressive things. .See horses in waves, whales in clouds, etc.
9. Learn to edit
10. Think about what you want and “make” images.





## TOP 12 TIPS

### 11. Show your work.

- Facebook, Instagram, etc.
- Print your work  
(Orleans Camera, Hunt's Photo, mpix.com)
- Create books (blurb.com) of special events, vacations, etc.
- Enter exhibitions - live and online



## TOP 12 TIPS

### 12. Practice

- Make lots of images
- Study paintings and photographs
- Keep learning. Take classes and workshops, Youtube, join a camera club



*You don't take a photograph...you make it.*

- Ansel Adams



*There are no rules for good photographs,  
there are only good photographs.*

**Ansel Adams**

# Coming Up

## CLASSES

Lightroom Basics & Beyond  
Saturdays, 10-12, starting March 2

Photographer's Eye  
Spring

## WORKSHOPS

Cape Cod Winterscapes  
February 23-25 FULL

The Art & Craft of Intentional Camera Movement  
April 26-27

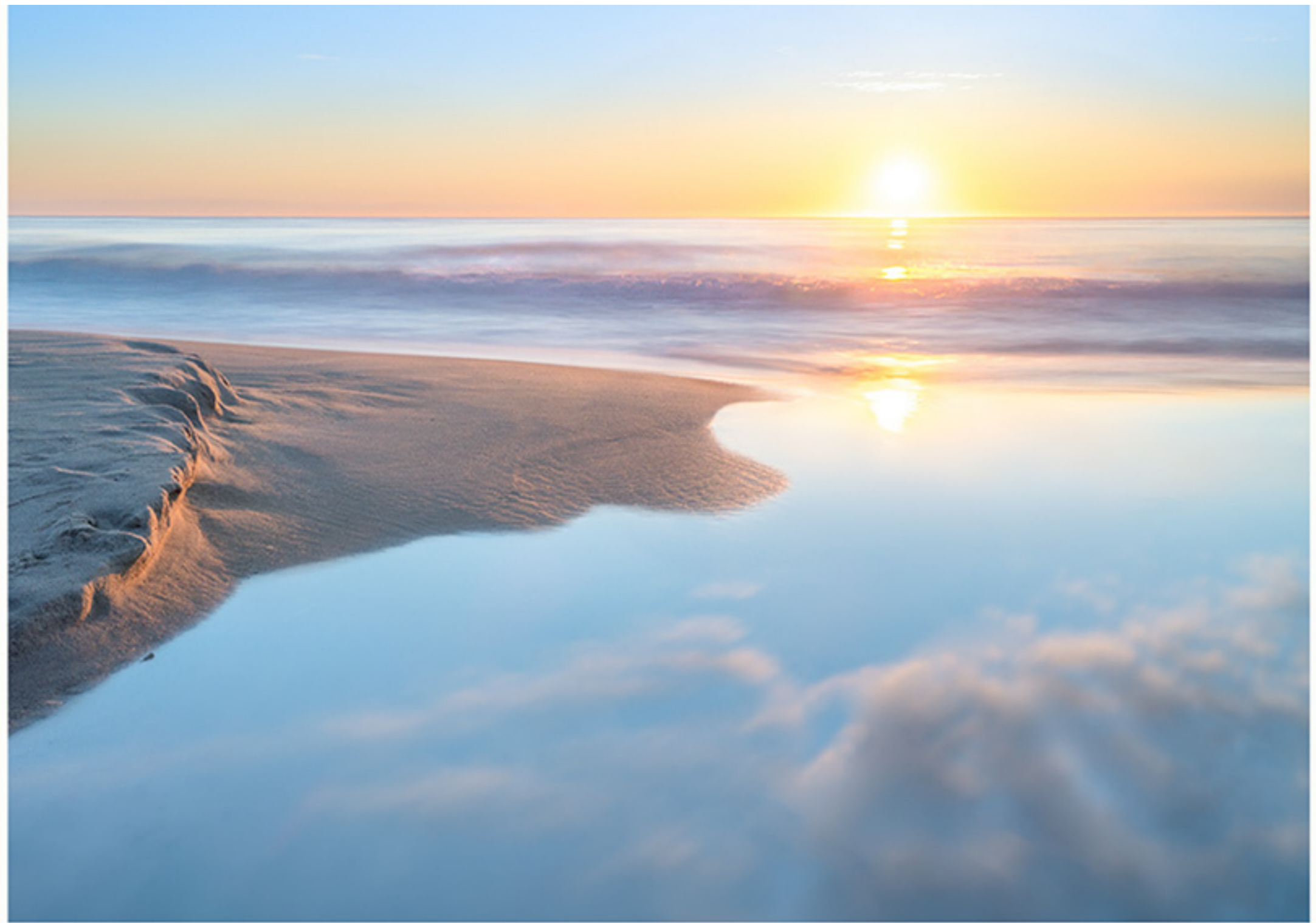
Cape Cod Milky way Photography  
June 6-8

Cape Cod Night Photography  
Summer 2023

Creative Coastal Photography  
July 31-August 2

Downeast Maine and Campobello Island  
October 4-9





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