

The **F** Stops
Here.



Bandimere Speedway

Presented by **Mike's** Camera

Joe Klocek, Instructor

The Photography Cheat Sheets

- Specific settings to plug and play
- Simple directions
- Link to instructional video
- 31 cards on all variety of topics
- The best tool to use in conjunction with classes and instruction



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Landscape (handheld)

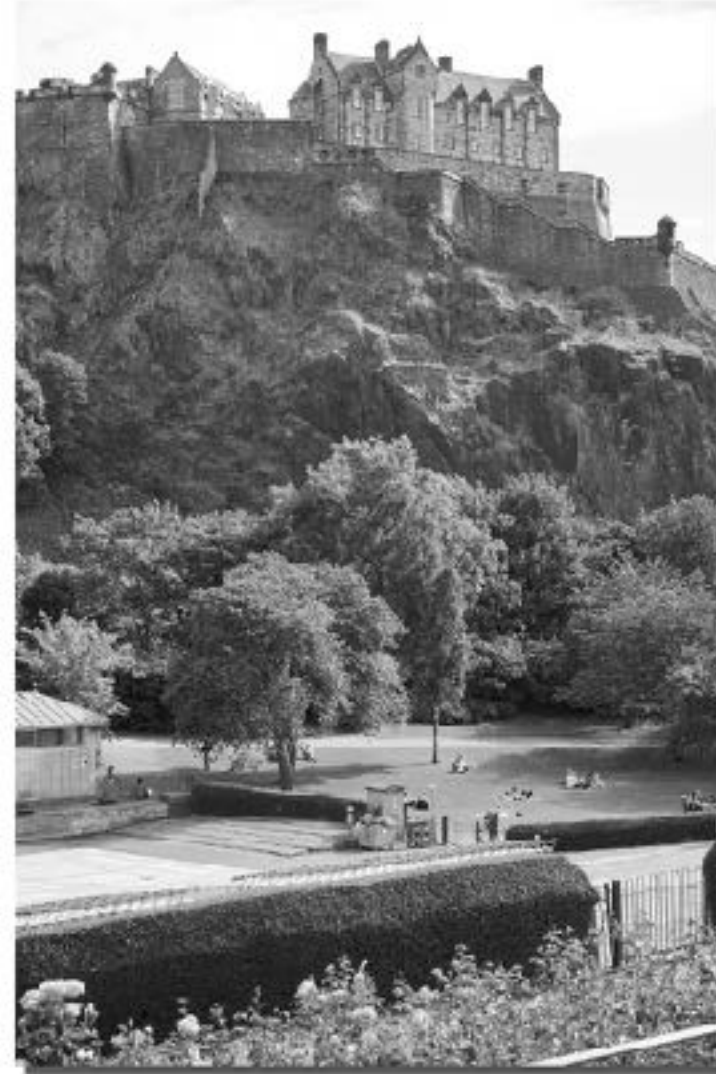
- Aperture set to f/8 or f/11
- Shutter speed set between 1/125 and 1/250
- Set ISO to auto (manual mode with auto ISO)
- Focus mode set to AF-S
- Focus area set to single focus point
- White balance set to daylight or cloudy day, depending on conditions
- Evaluative metering mode



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Directions


Navigate focus crosshair over the subject and acquire focus before shooting. Check that there is no motion blur captured in the frame. You can improve many compositions by placing an interesting object close to the camera. Try to shoot at advantageous times of day, such as sunrise and sunset, to get the best shadows and color. In order to achieve both the appropriate aperture and a fast enough shutter speed to hand-hold the image, use the RAW exposure technique and don't be afraid to raise the ISO if needed.



The Little Book on Wide Angle Lenses

- Angles of view
- Stabilization
- Focus limiters
- Shooting techniques
- Lens construction
- Helpful accessories

The Little
Book
About
Telephoto
Lenses



shoot anything

This lecture is available as a PDF

www.TheFStopsHere.org



The screenshot shows a web browser window with the address bar displaying 'cameralessonsonline.com'. The page title is 'Photography skills education'. The main heading is 'The F Stops Here', with 'F' in black and 'Stops Here' in green. Below the heading is a navigation menu with links: Home (highlighted in green), Cheat Sheets, Books, Free Downloads, Contact, and Shop.

Photography Cheat Sheets



The Photography Cheat Sheets are the closest thing to having a photography instructor with you as you can get. This set of 31 cards covers every variety of photographic endeavor a hobby photographer is likely to encounter and gives specific settings to use, simple instructions, and links to short video instruction. They are available exclusively through Mike's Camera.

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- * Exposing action sequences
- * Focusing action sequences
- * Panning
- * Car show techniques



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exposing action

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We think about
crisp action in
terms of fast
shutter speed. But
with automotive
photography, if we
shoot too fast, we
cannot tell if the
car is moving.

Sony A7R4

Sony 70-200 f/2.8

ISO 100

1/80

F/6.3



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We think about
crisp action in
terms of fast
shutter speed. But
with automotive
photography, if we
shoot too fast, we
cannot tell if the
car is moving.

Sony A9

70-200 f/2.8

ISO 1000

1/2500

F/3.2



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Instead a shutter
speed around
1/200 is just about
perfect. I have
shot even slower
when panning
with the subject.

Sony A7R4

Sony 70-200 f/2.8

ISO 100

1/200

F/8



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We will be working
at close distance,
which creates a
naturally shallower
depth of field, but
depending on
where you stand,
the proximity of
the background
might mitigate that
factor.

Sony A7R4

Sony 16-35 f/2.8

ISO 100

1/400

F/6.3



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That said, to get
as much of the
car in focus as
possible, it may
be prudent to stop
down to around $f/8$.

Sony A7R4

Sony 70-200 $f/2.8$

ISO 100

$1/200$

$F/10$



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But we may still
find that we need
to increase ISO
values, especially
if the track is
shaded due to
weather.

Sony A7R4

Sony 70-200 f/2.8

ISO 1000

1/2500

F/3.2



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When dealing with
action we are
more concerned
with an
appropriately
exposed subject
than with the
totality of the
scene.

Sony A7R4

Sony 70-200 f/2.8

ISO 100

1/200

F/10



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focusing action

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You will want to
be in AF-C
focusing mode.

You can be
successful in
following the
action with or
without tracking.

Sony A7R4

Sony 16-35 f/2.8

ISO 100

1/200

F/9



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But if you have
tracking it will
identify the subject
and stick with it
throughout the
movement.

Sony A7R4

Sony 70-200 f/2.8

ISO 100

1/200

F/9



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Panning is a different trick altogether. We track the subject in the same way as before.

Sony A7R4

Sony 16-35 f/2.8

ISO 100

1/200

F/9



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However we slow down our shutter speed and follow the car, keeping it in the same part of the frame. This way the background blurs more than the subject.

Sony A9

70-200 f/2.8

ISO 100

1/80

F/6.3



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This usually means a shutter speed between 1/80 and 1/200 and either a stopped down aperture or a neutral density filter.

Sony A7R4

Sony 16-35 f/2.8

ISO 100

1/100

F/14



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car show

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Here we will be
shooting lower to
the ground and
much wider.

Sony A7R4

Sony 16-35 f/2.8

ISO 100

1/100

F/9



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This is a great
opportunity for
parts and pieces
shooting.

Sony A7R4

Sony 16-35 f/2.8

ISO 100

1/100

F/9



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This is a great
opportunity for
parts and pieces
shooting.

Sony A7R4

Sony 16-35 f/2.8

ISO 100

1/100

F/9



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what to bring

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lenses



extras

- batteries
- memory
- monopod



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Now let's turn it over to
Scott.