

The background is a dark blue gradient with a subtle pattern of white dots. Overlaid on the left side are several concentric circular patterns and a scale. The scale is a semi-circular arc with tick marks and numbers ranging from 140 to 260 in increments of 10. There are also several circular arrows, some solid and some dashed, pointing in different directions. The overall aesthetic is technical and scientific.

# INTRODUCTION TO LIGHT METERS

PHOTOGRAPHY 1

# WHAT IS A LIGHT METER?

- An instrument for measuring the intensity of light, used chiefly to show the correct exposure when taking a photograph.
- Imagine it as a scale from negative to positive with zero (in the middle) as the perfect exposure.
- To get the perfect exposure, you must adjust the shutter speed and aperture of your camera until your meter reads zero.



# WHAT IS A LIGHT METER?

-3..2..1..**0**..1..2..+3  
█



# OFF-CAMERA LIGHT METERS

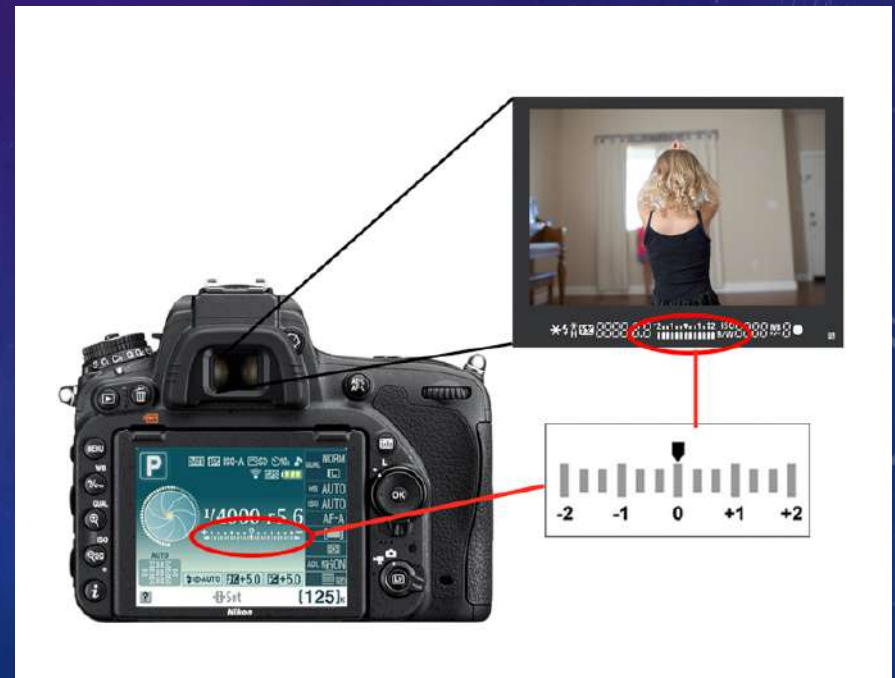
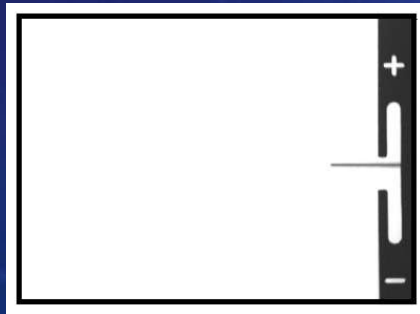
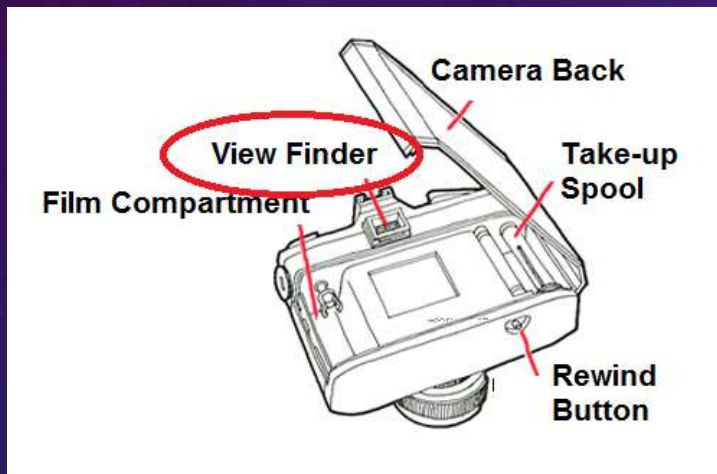
- Off-camera light meters come in many formats including: analogue, digital, and smart phone applications.





# IN-CAMERA LIGHT METERS

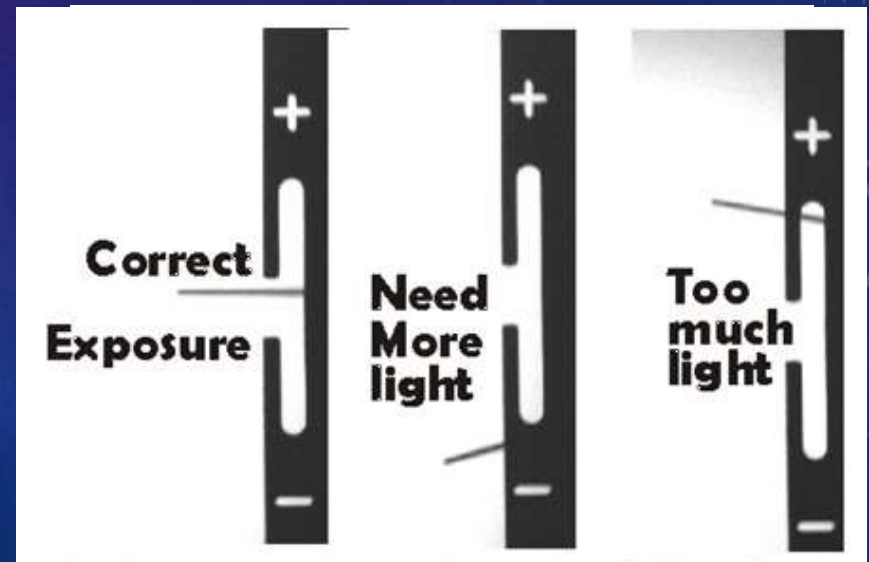
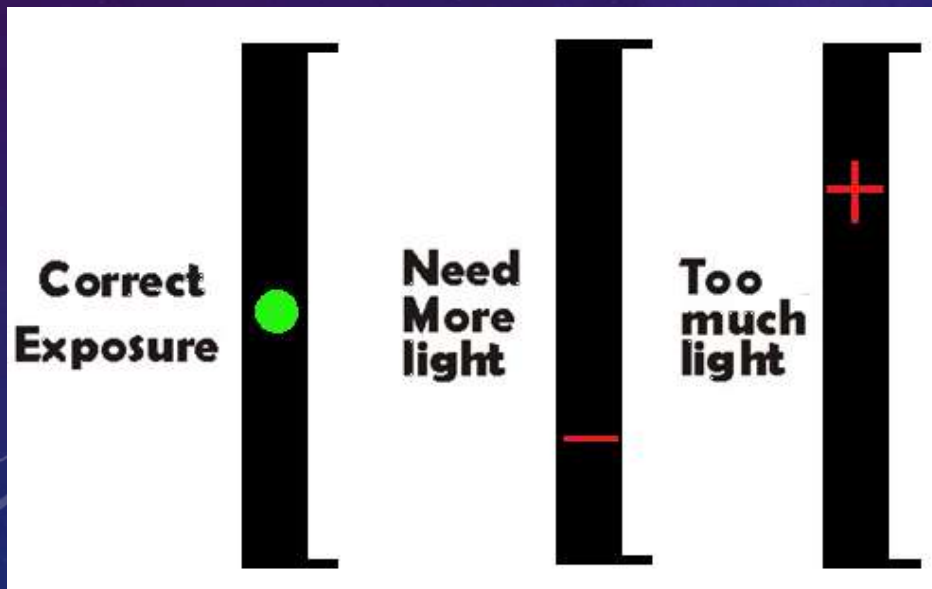
- To see the in-camera light meter, look through the view finder. Or if you're using a digital camera, it also appears on the screen.



# LIGHT METERS IN FILM CAMERAS

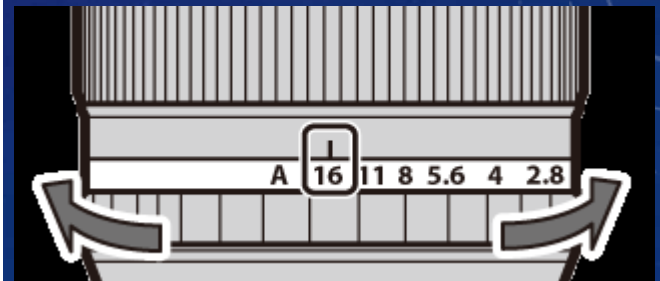
- Light meters in film cameras come in many different forms – the scale from - to + with 0 in the middle only became standard with digital slr cameras.
- If present, film cameras generally have one of the following:
  - A simple +/- with a needle
  - A simple +/- with red and green lights
  - A list of shutter speeds with a need or lights to indicate which setting is correct

# FILM LIGHT METERS



# CHANGING CAMERA SETTINGS FOR THE PROPER EXPOSURE

- To get the perfect exposure, you must adjust the how long the shutter is open and the size of the opening until the meter reads zero.
- Adjust the shutter speed with the shutter speed dial and the aperture with the aperture ring.





# TODAY...

- Each person will get to take their first film photograph using a 35mm camera.
- Everyone will take turns shooting their image using the same camera and the same roll of film.
- Each person must write down their name and take 1 (and only 1) photograph after checking the light meter.
- We will go to the courtyard so you can get better pictures more easily.
- Always remember your images for class must be school appropriate.