

## Aperture Lab

**APERTURE-** Controls the opening of the camera to allow in light. It also controls the Depth of Field (DoF)

**Wide Aperture** (f/1.4) = Shallow DoF

**Narrow Aperture** (f/22) = Wide DoF

1. EXPERIMENT with the “Exposure Triangle” on the A/Av Setting on your mode dial. (Triangle = Aperture Settings / ISO / Shutter Speed)
2. EXPERIMENT WITH APERTURE & DEPTH OF FIELD in the following 3 areas:

- **f/stop**

*(size of opening, measured in f/stops)*

**PHOTOGRAPH:** Same subject/ light with F22, F11, F8, etc

*How does this change the light in your photo?*

*What happens to the background the wider the aperture becomes?*

- **Focal Distance**

*(farther focal distance = deeper DoF /*

*closer focal distance = shallow DoF)*

**PHOTOGRAPH:** Macro, Shallow Depth of Field, and Deep Depth of Field by changing your focal distance.

*How does changing your focal distance change the DoF?*

- **Focal Length**

*(the length of your lens/ zoom affects your DoF)*

**PHOTOGRAPH:** Zoom in/ Zoom out and experiment using your the focal length of your lens to create both Shallow and Deep DoF.

*How does your focal length affect your DoF?*

\* **Wow -Cynosure**

\* **NEXT UNIT-** Exhibition