

## Variable Exercise

Name: \_\_\_\_\_

Period Number: \_\_\_\_\_

Today, we will go outside with our cameras and carry out an exercise to help us further our understanding of how the variables work together. Save your photos and make notes in each exercise, as you will be transferring photos and information to another Microsoft Word Document.

### **Exercise 1:**

Set your camera settings to the following:

Mode Dial: Manual

Aperture: 5.6

Shutter speed: 1/60 of a second

ISO: 100

White Balance: Daylight.

Find a small object, center it (set auto focus to center) and zoom into it as much as possible. Take the photo. Is there anything that needs to be corrected? If it's too bright, try raising the speed. What were the settings for a perfect photo in the end. Save your first photo and then the one that works the best. Make sure your photos are of the same exact thing in the same exact place.

### **Exercise 2:**

Set your camera settings to the following.

Mode Dial: AV (Aperture Priority)

Aperture: F16

ISO: 1600

White Balance: Florescent

*On this setting, the camera will choose your shutter speed for you.*

Stand under the Media Center and take a photo of the cafeteria. FOCUS. What is wrong with the photo?

What corrections need to made? Make your corrections, take the same exact photo again and note what you did to make the correction.

### **Exercise 3:**

Set your camera settings to the following:

Mode Dial: TV (Shutter Priority)

Speed 1/30 of a second

*On this mode the camera will set the Aperture for you.*

ISO: 400

White Balance: Tungstan

For this exercise, you will need a partner. Have your partner jog or skip past you. Take multiple photos.

Your goal is to freeze motion. What is wrong with these settings for that? Make corrections to the settings and take more photos. Make note of the changes you made.

*\*After you finish each exercise, we will go in together and save our photos and begin preparing our assignment to turn in.*