Color Temperature and White Balance

6.1.2 : Importance of the color temperature of light to the appearance of colors in an image.

Objective:

- Successfully illustrate the effect of photographing the same subject using different white balance settings under different lighting conditions.
- Demonstrate a basic understanding of color temperature.
- Correctly set the white balance of your digital camera.

Assignment:

1. Photograph the same subject (person), under 3 common lighting conditions: Tungsten, Daylight and Fluorescent.
2. Set your camera to use .jpg file format.
3. For each lighting condition, take 3 photographs using the 3 most common white balance settings: Tungsten, Daylight and Fluorescent.
4. Make sure to not use flash or you will change the light source.
5. You may use Auto Exposure mode on your camera.
6. Under the daylight lighting condition your subject should be directly in the sun. Do not shoot in shade or with your subject facing away from the Sun.
7. Tungsten should be indoors, with lights that use traditional lightbulbs. They should be incandescent lightbulbs setup in classroom.
8. Fluorescent should be indoors, with lights like a classroom.
9. When completed you should have 9 images in total.
10. Create a Contact Sheet in Bridge, labeling each of your images as follows:

1 Daylight Daylight WB	2 Daylight TungstenWB	3 Daylight FluorescentWB
4 Tungsten DaylightWB	5 Tungsten TungstenWB	6 Tungsten FluoescentWB
7 Fluorescent DaylightWB	8 Fluorescent TungstenWB	9 Fluorescent FluorescentWB

Name:_____   Name:_____

Name:_____   Name:_____

Period:_____