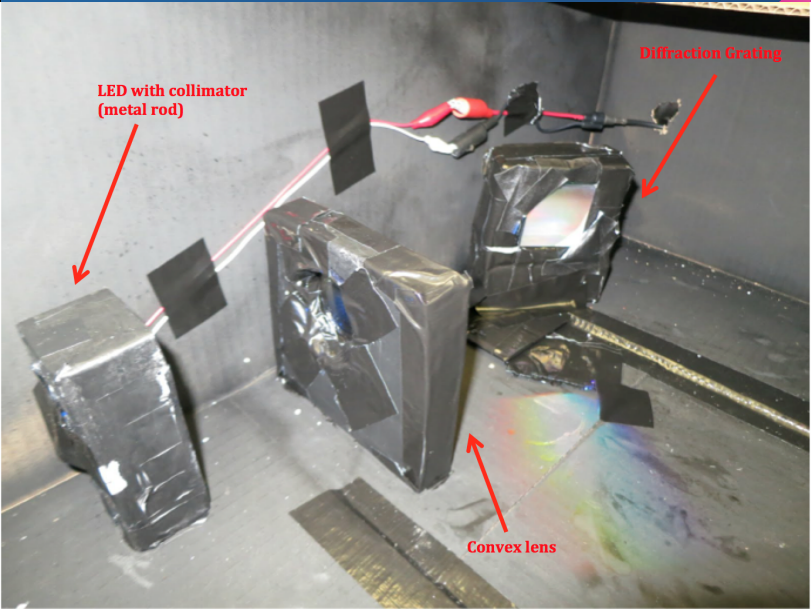
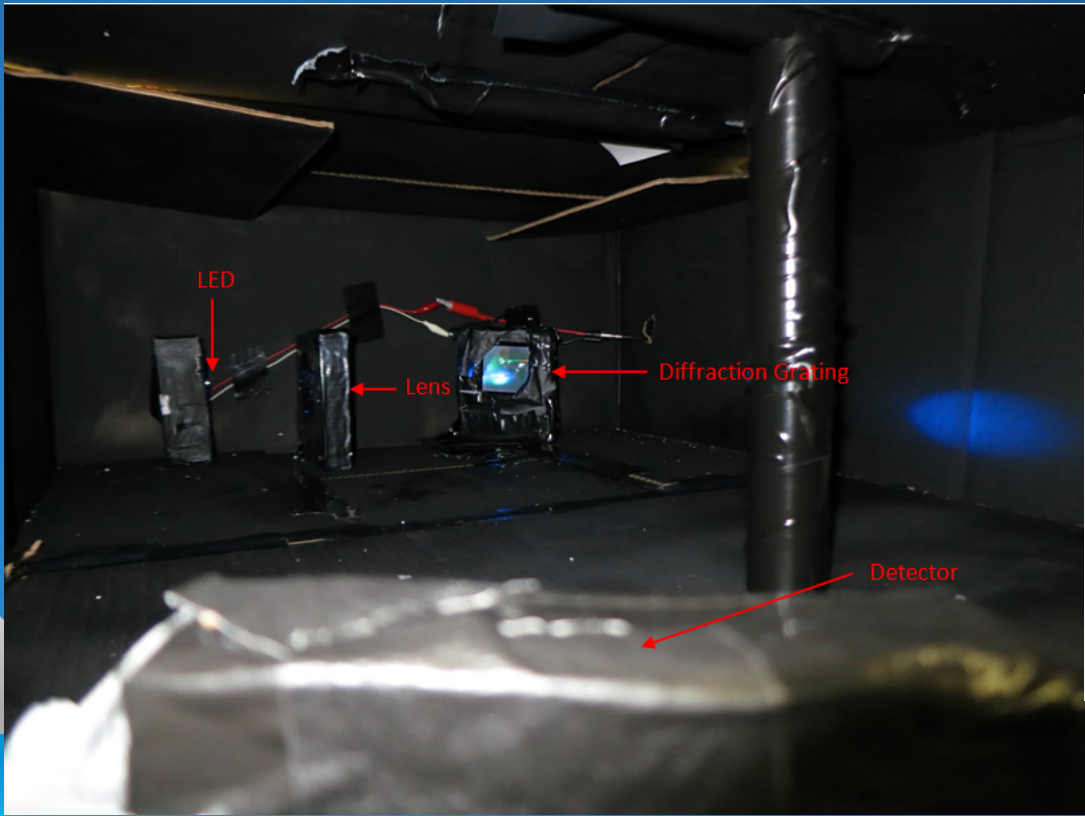


The slide features a dark blue background with decorative geometric patterns on the left and right sides. These patterns consist of overlapping, stylized arrow shapes pointing towards the center. The colors used in the patterns are yellow, magenta, cyan, and grey. The text is centered in the upper half of the slide.

Update #4

Buffy and Stephanie

Inside of Spectrometer



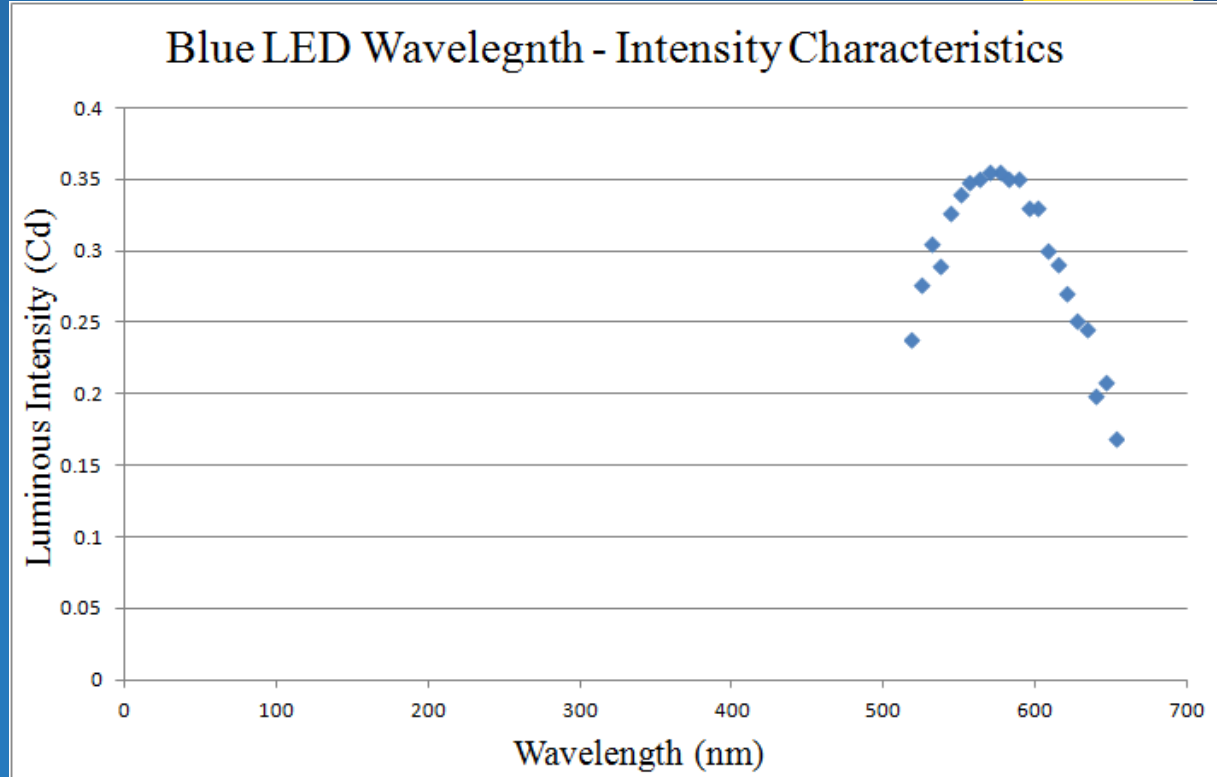
Outside Setup



Data Collection

Test #1

- Systematic error - wavelength off by about 100



Mercury-Vapor Lamp

Calibration

- Webcam
- $\tan O/A * d_0$



Wavelength (nm)	Name (see photoresist)	Color
184.45		ultraviolet (UVC)
253.7		ultraviolet (UVC)
365.4	I-line	ultraviolet (UVA)
404.7	H-line	violet
435.8	G-line	blue
546.1		green
578.2		yellow-orange

Arduino

- More accurate wavelength measurement and decrease uncertainty/error
- Arduino Uno, Stepper Motor, and Motor Shield

