AP CSP Python with CodeX **RGB Colors Activity Guide**	**Name:**
Introduction from Slides Go through slides #1-#4.	
What does RGB stand for?	Red, Green, Blue
How is RGB used in a NeoPixel?	Each NeoPixel is made up of three lights: red, green and blue. The brightness of each pixel, blended together, can create all the colors we see in the pixel, a total of 256 colors.
What is an RGB triplet?	The triplet is a set of three numbers, with each representing a brightness value of red, green or blue.
RGB Values Go through slides #5-#7.	
Go through slides #5-7. Use this space to take notes about using RGB values.	Space for notes as needed
RGB - Part 1, RGB - Part 2. Follow the instructions on slides #8-13. Use this space to take notes on Part 1 and Part 2.	Space for notes as needed
RGB - Part 3. Follow the instructions on slides #14-17. Use this space to take notes on Part 3.	Space for notes as needed
RGB Challenges Three challenges are given. You can do any of them, in any order. Take notes on the challenges that you complete.	
Challenge #1 - Turn off pixels Use this space to take notes.	Space for notes as needed
Challenge #2 - Random brightness Use this space to take notes.	Space for notes as needed
Challenge #3 - Different pixel colors Use this space to take notes.	Space for notes as needed
Wrap-Up	
How did you use functions in this lesson?	Answers will vary. Functions were used to set all the pixels a color, and the functions can be called in any order and as frequently as needed.
What did you learn about RGB colors during this lesson?	Answers will vary.
Submit the modified **Pixels1_RGB** program to the teacher.	