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| **AP CSP Python with CodeX**  **RGB Colors Activity Guide** | | **Name:** |
| **Introduction from Slides** Go through slides #1-#4. | | |
| What does RGB stand for? |  | |
| How is RGB used in a NeoPixel? |  | |
| What is an RGB triplet? |  | |
| **RGB Values** Go through slides #5-#7. | | |
| Go through slides #5-7. Use this space to take notes about using RGB values. |  | |
| 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. |  | |
| RGB - Part 3. Follow the instructions on slides #14-17. Use this space to take notes on Part 3. |  | |
| **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. |  | |
| Challenge #2 - Random brightness  Use this space to take notes. |  | |
| Challenge #3 - Different pixel colors  Use this space to take notes. |  | |
| **Wrap-Up** | | |
| How did you use functions in this lesson? |  | |
| What did you learn about RGB colors during this lesson? |  | |
| Submit the modified **Pixels1\_RGB** program to the teacher. | | |