| **Unit 3 Remix Log** | Name: |
| --- | --- |
| **Remix Step 1: Review your code from Mission 6 and 7** |
| Mission 4: Line FollowerWhat does this program do?Mission 5: Hot PursuitWhat does this program do? |  |
| What programming concepts did you learn and use in each mission? |  |
| **Remix Step 2: Remix Project Concept** |
| Look over the remix suggestions. Discuss with a partner. Then decide what you want to do for your remix project. Describe what your remix project will do: |  |
| **Remix Step 3: Plan your code. What variables will you use in the project?**Fill out the charts below. Use another piece of paper to design your program with a flowchart or pseudocode. |
| What variables will you use in the project? Fill in the chart. You do not need to fill in every line, or you can add more. |

| Variable Name | What it will be used for: |
| --- | --- |
|  |  |
|  |  |
|  |  |
|  |  |

 |
| What functions will you write? Describe each one. |

| Function name | What it will do |
| --- | --- |
|  |  |
|  |  |
|  |  |

 |
| What buttons will you use, and what will happen when pressed? |

| Button | What will happen: |
| --- | --- |
|  |  |
|  |  |

 |
| **Remix Step 4: Write your code** |
| Use the sandbox  when you write the code. Write just a few lines at a time and test often. |
| **Remix Step 5: Commenting and feedback** |
| Documentation | * Make sure your code is readable by adding blank lines
* Add comments to explain sections of code
 |
| **Peer feedback:** Get feedback from two (or more) people. You can be one of the peer reviewers. |
| Peer Review #1 Name: |  |
| Go through the checklist. Are all requirements met? If not, list any missing criteria. |  |
| What do you like about the program – be specific! |  |
| Give at least one suggestion. Begin with “what if” or “maybe you could” |  |
| Peer Review #2 Name: |  |
| Go through the checklist. Are all requirements met? If not, list any missing criteria |  |
| What do you like about the program – be specific! |  |
| Give at least one suggestion. Begin with “what if” or “maybe you could” |  |
| Review the comments. Then take time to improve or add to your project.  |
| **Post-Mission Reflection** |
| What did you change in your project after reading the feedback? |  |
| What is something new you learned from completing this project? |  |

**Unit 3 Remix Rubric Checklist:**

* Filename is descriptive
* Uses one or more variables, each with a descriptive name
* Moves the CodeBot forward and/or backward one or more times
* Turns the CodeBot one or more times
* Turns on one or more LED lights
* Uses one or two buttons as input
* Uses at least one sensor to control the CodeBot
* Defines at least one function with a return
* Includes something extra (sound, more than one sensor, more than one function, etc.)
* Code follows programming conventions of comments, readability, indenting, and capitalization
* Code runs with no errors