

Unit 4 Remix Log	Name:			
Remix Step 1: Review your code from Mission 8 and 9				
Mission 8: Navigation What does this program do?				
Mission 9: All Systems Go! What 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 and lists 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 / List Name	What it will be used for:		
What functions will you write? Describe each one.				
	Function name	What it will do		



Python with Robots



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 Add comments to explain sections of code 	blank lines	
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.			



Python with Robots



Post-Mission Reflection	
What did you change in your project after reading the feedback?	
What are some reasons you would give your friend for learning to program?	

Unit 4 Remix Rubric Checklist:

- $\hfill\square$ Uses one or more variables, each with a descriptive name
- $\hfill\square$ Reads one or more sensors: encoders, battery power, temperature, or accelerometer
- $\hfill\square$ Uses the data from the sensor reading to control the CodeBot
- Controls one or more peripherals: LEDs, sound, motors
- $\hfill\square$ Uses one or two buttons as input
- Defines and uses at least one function
- $\hfill\square$ Defines and uses at least one list
- □ Includes something extra (sound, more than one sensor, more than one function, etc.)
- \Box Code follows programming conventions of comments, readability, indenting, and capitalization
- Code runs with no errors

