Name:	Unit 3 Remix Project Planning Guide			
Remix Step 1: Review your code from Mission 7, 8 and 9.				
Mission 7: Line Sensor What does this program do? What programming concepts did you learn and use in each mission?				
Mission 8: Boundary Patrol What does this program do? What programming concepts did you learn and use in each mission?				
Mission 9: Line Follower 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 your remix project:				
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 an algorithm.				
What global variables and constants 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 list or dictionary will you use? Describe it in the space provided:				



What buttons will you use, and what will				
happen when pressed?	Button What will happen:		vill happen:	
What functions will you write? Describe each one.	<u> </u>		I	
	Function nam	e 	What it will do	
Extras:				
What else will you need for your program? (sound, LEDs, etc.) Describe extra code				
you will use in the space provided:				
Remix Step 4: Write your code				
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Start a new file. Use the sandbox when You can choose which 3D environment you v				
•				
Remix Step 5: Commenting and feedback				
Documentation	 Make sure your code is readable by adding blank lines Add comments to explain sections of code 			
	• Add co	omments	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 about programming from completing this project?			
Unit 3 Remix Project Rubric Checklist:			
Filename is descriptive			
Uses global and local variables appropriately			
Uses one or more constants, each with a descriptive name			
☐ Uses line sensor data to control CodeBot's movement ☐ Uses LEDs to communicate information (user LEDs and/or line sensor LEDs)			
Uses LEDs to communicate information (user LEDs and/or line sensor LEDs)Defines and calls at least one function			
Uses a list or dictionary			
Gets input from the user (button press	s, input() function)		
☐ 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			

