Name:	**Remix 1 Project Planning Guide**

Remix Step 1: Review your code from Mission 1, 2 and 3

Mission 1: Welcome to Lift Off Peripherals! What programming concepts did you learn and use?	
Mission 2: Lift Off! What does this program do? What programming concepts did you learn and use?	
Mission 3: Conserve Energy! What does this program do? What programming concepts did you learn and use?	

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. Answer the questions below to help you plan and design the remix project before you start to write code.

What peripherals will you use, and what is their purpose:

Peripheral:	Used for:

What variables and constants will you need? Give their name and value or assignment.	Variable / Constant	Value or assignment

Write an algorithm for your code. What are the steps for completing the task?	

Remix Step 4: Write your code

Start a new file. Use the sandbox [icon] 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 did you learn about programming from completing this project?	

Remix 1 Project Rubric Checklist:

- ☐ New file is used and filename is descriptive
- ☐ At least one LED is used, with appropriate constants and function
- ☐ At least one additional peripheral is used, with appropriate constants and functions
    - ☐ Button
    - ☐ Switch
    - ☐ Potentiometer
    - ☐ Motion sensor
- ☐ Uses at least one new programming concept
    - ☐ Multiple inputs (like needing a button AND a switch)
    - ☐ Using ticks to keep track of elapsed time
    - ☐ Blinking LEDs
- ☐ Includes something extra (sound, additional peripherals, screen display, etc.)
- ☐ Includes comments and whitespace for readability
- ☐ Code runs with no errors