Mission 2 Assignment Log	Name:
PreMission Preparation	
List some peripherals used for input:	Answers will vary. Answers can include: microphone, camera or video camera, keyboard, mouse, joystick, video game controller, etc.
This mission will enable you to use peripherals to launch the rocket. What peripherals do you think you will use? What steps do you think are needed for the rocket launch?	Answers will vary.

Mission 2 Checks

Objective #1 What is the red LED used for?	The blast-off indicator
What are the constants needed for the red LED?	a. LED_ON = True b. LED_OFF = False
Objective #2 During lift-off, what is the switch used for?	Turn on power for the shuttle's launch operation
What is the value of switch when OUT?	True
What is the value of switch when IN?	False
Objective #3 What is == used for?	Comparison – checking to see if a value is the same as another value
What is = used for?	Assignment – assigning a value to a variable or constant
Objective #4 What is the value of POWER_ON?	False
What is the value of PRESSED?	False
Objective #5 Give a definition of "algorithm":	A sequence of steps for completing a task or a step by step process
Give a definition of "abstraction":	Organizing an algorithm into sub-tasks, or functions, where the details are hidden
Objective #6 Explain what should happen for each test case:	

Both button and switch are ON	Countdown and lift-off, then break loop
The switch is ON and the button is OFF	Red LED on
The button is ON and the switch is OFF	Red LED off
Neither button or switch is ON	Red LED off

Objective #7 Where do you call the "lift_off()" function?	In the if statement when the button and switch are both "on".
Post-Mission Reflection	
Explain how the functions you wrote for the mission are an abstraction:	Answers may vary. The answer can include that a function hides the details of a sub-task and allows you to just call the function and not worry about how it works.
Give an example of a device you have seen or used that uses a button or switch for input?	Many answers are possible.