

Mission 5 Assignment Log	Name:
Pre-Mission Preparation	
In the last mission, you learned about analog and digital devices. Explain the difference between analog and digital.	
In this mission you will set up an alert system. What are some things that might cause an alarm in a rocket living space?	
Mission 5 Checks	
Objective #1 You will be coding a continuous loop during this mission. What tasks will be included in the loop?	<ul style="list-style-type: none"> • • • •
Objective #2 What is "frequency"?	
What is "duty-cycle"?	
Objective #3 What does REPL stand for?	
What are two things the console panel lets you do?	<ul style="list-style-type: none"> • •
Objective #4 What information does the temperature sensor return? What has to happen to the raw data?	
Objective #5 Summarize the temperature alerting system; explain how it works.	

<p>Objective #6 During the first part of the objective, you look at all the values of the sound sensor. Record the range of values for a “normal” range of sound in your environment.</p> <p>Modifying the code to print only values outside the normal range. Record some data.</p>	
<p>Objective #7 Summarize the EMA calculation; explain how it works.</p>	
<p>Objective #8 Explain how the sound sensor alert is different from the temperature sensor alert.</p>	
<p>Objective #9 Explain how “display.print()” is different from “print()”.</p>	
<p>Post-Mission Reflection</p>	
<p>What is one new thing you learned from this mission?</p>	
<p>What is something you learned about your classmates while working on this mission?</p>	