

Mission 5 Assignment	Name:
Pre-Mission Preparation	
Algorithms are a part of everyday life. They are step-by-step instructions to complete a task. Think about daily activities that you do. Select one task and write the algorithm for the task:	
Mission 5 Checks	
Objective #1 What is the purpose of a loop?	
What is the purpose of a variable?	
Objective #2 Give at least two strategies for debugging code?	
Objective #3 How is a for loop different from a while loop?	
Objective #4 What is the code for turning on an LED using the for loop counter?	
Objective #5 Write the first line of a for loop that counts backwards:	
Objective #6 Write the first line of a function definition:	
Write a call to the function:	
Objective #7 Write the code for a loop that waits for a button press before calling functions:	

<p>Objective #8 What additional function is needed to move the CodeBot around the dance floor?</p> <p>What parameters does the function need?</p>	
Post-Mission Reflection	
<p>What is a challenge you had with this mission? How did you overcome the challenge?</p>	
<p>Abstraction is used in daily life and in many applications. Abstraction is a key concept of computer science. Functions are a form of abstraction because they can hide the details of how a task is accomplished, which enables a problem to be simplified and to focus on the parts that need attention. Give an example of abstraction in your daily life:</p>	