

Unit 3 CodeBot Vocabulary By Mission

Mission 5 Lesson 1 - Fence Patrol	
Line sensors	Photo reflective sensors that detect lines and boundaries beneath your 'bot
API	Application Programming Interface – the details of how your program interacts with different services it needs
Analog	Infinite variation, like from dark to light or cold to hot
Digital	Incremental variation, within a specific range
ADC	Analog to digital converter
Mission 5 Lesson 2 - Fence Patrol	
DRY	Don't Repeat Yourself – never write the same code twice
Function	(Review) A named chunk of code you can run anytime just by calling its name; lets you reuse code without retyping it or copy/paste.
Parameter	(Review) A variable that gets its value when the function is called; part of the function definition.
Argument	(Review) A value that is passed to a function during a function call.
Mission 5 Lesson 3 - Fence Patrol	
Return statement	Exits the function and sends a value back to the code where the function was called.
Runtime error	A coding error that happens when the program is actively running.
Mission 5 Lesson 4 - Fence Patrol	
Algorithm	(Review) A list of step-by-step instructions the computer can follow to complete a task.
Mission 6 Lesson 1 - Line Follower	
List	A sequence of items you can access with an index.
Index	The position of an item in the list; used to access a specific item.
REPL	Read Evaluate Print Loop – the command line that lets you type Python statements directly and observe what happens
Mission 6 Lesson 2 - Line Follower	
int data type	A value that is an integer; designated by int in Python; can be positive or negative.
float data type	A value that is a decimal, also known as a floating point; can be positive or negative.
Tuple	Read-only form of list.
Immutable	Unable to be changed.
Logical operators	And, or and not; operators that allow for multiple conditions in a comparison. Logical operators handle combinations of Boolean results.
Or	Allows for multiple conditions where only one must be true for the entire comparison to be true.

Mission 6 Lesson 3 - Line Follower

Calibrate	Using sensor readings to determine the values of variables; adapting code to the environment using data.
Locals	Variables defined inside a function; they only exist while the function is running and can only be accessed in the function.
Globals	Variables defined outside of a function; they are available during the entire program and can be accessed throughout the entire program.