A BlockPy-Python Guide
This guide shows a side-by-side comparison of BlockPy and Python syntax.

BlockPy	Python
Creating a new property (ASSIGNMENT) set something = 0	something = 0
IF statement with String test (DECISION) if (state = (Virginia)) do print (dothis))	<pre>if state == "Virginia": print("do this")</pre>
IF statement with ELSE clause (DECISION) if temperature = (65) do print (do this) else print (otherwise do this)	<pre>if temperature == 65: print("do this") else: print("otherwise do this")</pre>
IF statement with AND (DECISION) if age > 12 and age < 20 do print "Is teenager"	<pre>if age > 12 and age < 20: print("Is teenager")</pre>
FOR loop to process List (ITERATION) for each item (a_thing v in list (list_of_things v : do print (a_thing v)	<pre>for a_thing in list_of_things: print(a_thing)</pre>
Creating an empty List property (ASSIGNMENT) set new_list = create empty list	new_list = []
Adding to a List (APPEND) to list new_list append item a_item	<pre>new_list.append(a_item)</pre>
Prompt for an input and convert to an integer set number = int input "Magnitude?"	<pre>number = int(input("Magnitude?"))</pre>
Plotting a List and showing the canvas (PLOTTING) plot line new_list show plot canvas	<pre>import matplotlib.pyplot as plt plt.plot(new_list) plt.show()</pre>
Accessing big data import weather weather_reports = weather.get_weather()	