STATION 1: VARIABLES

VALID EXAMPLES	INVALID EXAMPLES
`//use in equation` `var number = -25;`	`//use in equation` `float temp = 98.6`
`//wrong message` `var msg = "Error!";`	`//is the weather warm?` `isWarn = true`
`var letter = 'm';`	`age = 9`

STATION 2: VARIABLES

VALID EXAMPLES	INVALID EXAMPLES
`var age = 16;` `age = age + 1;`	`int age = 16;` `age = age + 1;`
`var distance = 5.2;` `distance = "Arrived!";`	`float distance = 5.2;` `distance = "Arrived!";`
`var answer = "Yes";` `answer = 'Y';`	`String answer = "Yes";` `answer = 'Y';`

STATION 3: LOOPS & CONDITIONALS

VALID EXAMPLES	INVALID EXAMPLES

`var i = 0;`
`for (i = 0; i < 5; i++) {`
`  text += "Num: " + i;`
`}`
	`for (int i=0; i <= 255; i++){`
	`  print(i);`
	`}`

`while (i < 10) {`
`  text += "Num: " + i;`
`  i += 2;`
`}`
	`num = 0`
	`while num < 200:`
	`  num += 5`

`if (hour < 18) {`
`  greeting = "Good day";`
`}`
	`if (x >= 180){`
	`  print("This can't be a triangle!");`
	`}`

STATION 4: FUNCTIONS

VALID EXAMPLES	INVALID EXAMPLES

`function moveForward() {`
 	
`}`
	`int turnAround():`
	`  return 22.5`

`function getTemp(){`
`  return 22.5;`
`}`
	`float getTemp(){`
	`  return 22.5;`
	`}`

`function(int degrees){`
`  return “hello”;`
`}`
	`boolean hasEnded(`
	`  Return false;`
	`)`

STATION 5: FUNCTIONS

VALID EXAMPLES	INVALID EXAMPLES

`/* turn robot */`
`function turn(degrees){`
`}`
	`/* move robot */`
	`int move(int distance){`
	
	`}`

`function blink(time) {`
 	
`}`
	`char nextLetter(int index){`
	
	`}`

`function move(dist){`
 	
`}`
	`void playNote(int pitch) {`
	
	`}`