

Microbit Python Quick Reference Sheet

Designed using info from <http://microbit-micropython.readthedocs.org/en/latest/>

from microbit import *

sleep(ms)

<pre>button_a and button_b .is_pressed() .was_pressed() .get_presses() .reset_presses()</pre>	<pre>pin0..20 (not 17 or 18) .write_digital(value) .write_analog(value) # 0..1023 .set_analog_period(int) .set_analog_period_microseconds(int) .is_touched() value = pinX.read_analog() value = pinX.read_digital()</pre>	
<pre>display .scroll(string, delay=400) .show(image, delay=0, wait=True, loop=False, clear=False) .show(iterable, delay=400, wait=True, loop=False, clear=False) .set_pixel(x, y, brightness) .clear() brightness = display.get_pixel(x, y)</pre>		
<pre>image = Image('90009:09090:00900:09090:90009:') .width() .height() .set_pixel(x, y, value) .brightness = get_pixel(x, y) .shift_left(n) .shift_right(n) .shift_up(n) .shift_down(n)</pre>	<pre>HEART HEART_SMALL HAPPY SMILE SAD CONFUSED ANGRY ASLEEP SURPRISED SILLY FABULOUS MEH YES NO TRIANGLE TRIANGLE_LEFT CHESSBOARD DIAMOND DIAMOND_SMALL SQUARE SQUARE_SMALL CLOCKn ARROW_direction Lists: ALL_CLOCKS, ALL_ARROWS</pre>	<pre>RABBIT COW MUSIC_CROTCHE MUSIC_QUAVER MUSIC_QUAVERS PITCHFORK XMAS PACMAN TARGET TSHIRT ROLLERSKATE DUCK HOUSE TORTOISE BUTTERFLY STICKFIGURE GHOST SWORD GIRAFFE SKULL UMBRELLA SNAKE</pre>
<pre>accelerometer .get_x() .get_y() .get_z() .get_values() .current_gesture() .is_gesture("name") .was_gesture("name") .get_gestures() .reset_gestures() Gestures: up, down, left, right, face up, face down, freefall, 3g, 6g, 8g, shake</pre>	<pre>compass .calibrate() .heading() .get_field_strength() .is_calibrated() .clear_calibration()</pre>	