

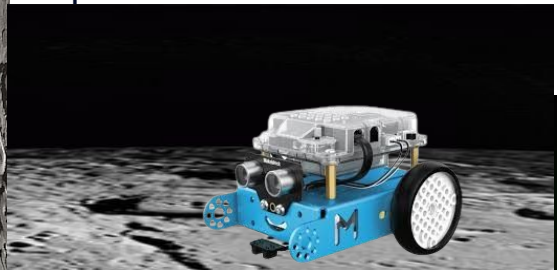
Robot sulla luna

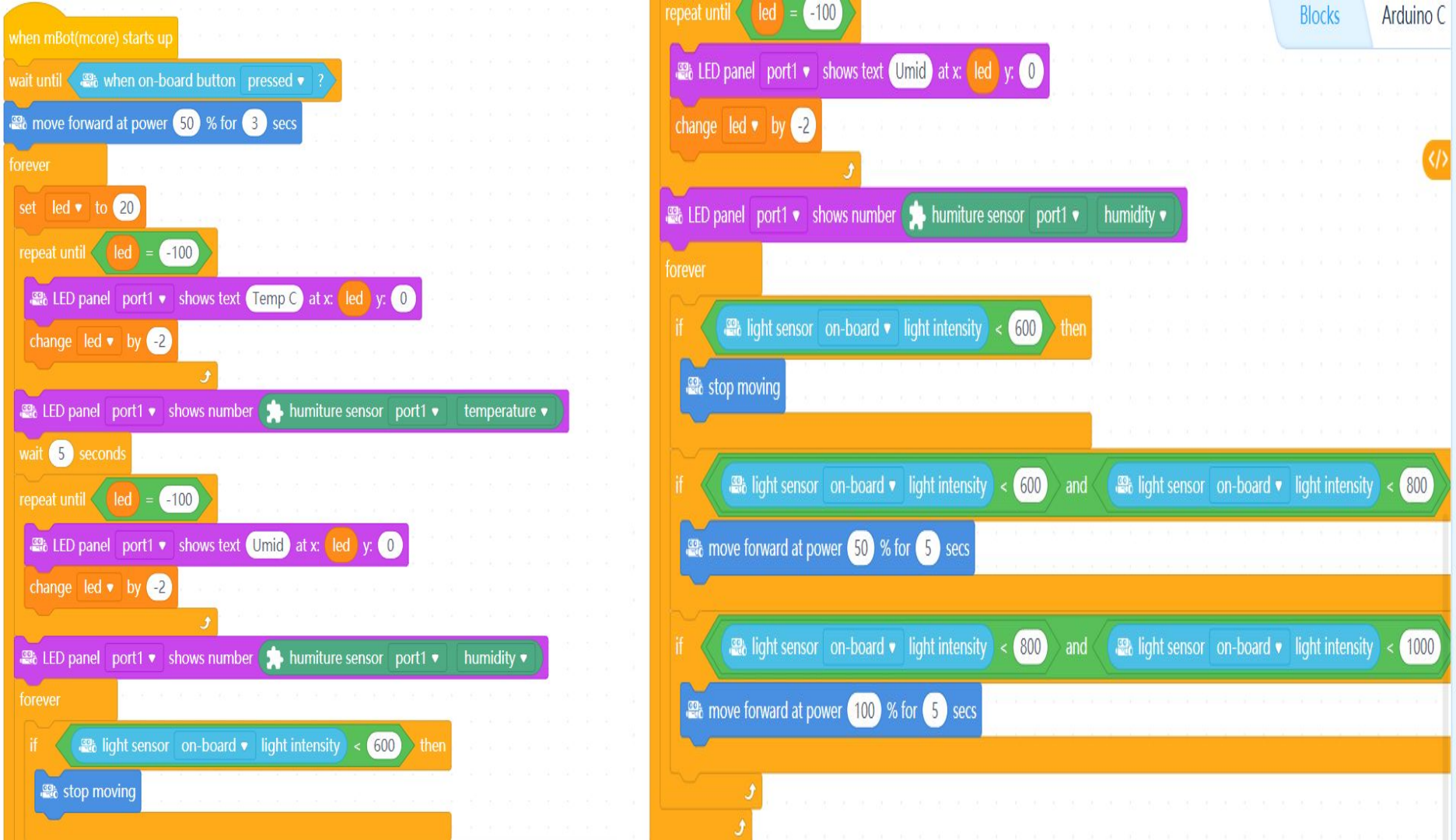
Introduzione:

Tramite l’utilizzo di Mbot vorremmo verificare l’umidità della luna come possa variare. Inoltre vorremmo, notare come i raggi slari proiettati sulla Luna possano modificare il clima.

Tecnica:

Per verificare il balzo di temperatura e l’umidità, abbiamo utilizzato un Mbot con un sistema complesso di Makeblock, grazie a quest’ultimo siamo riusciti ad individuare ciò che ci eravamo imposto inizialmente.




when mBot(mcore) starts up
wait until when on-board button pressed ?
move forward at power 50 % for 3 secs
forever
set led to 20
repeat until led = -100
LED panel port1 shows text Temp C at x: led y: 0
change led by -2
LED panel port1 shows number humiture sensor port1 temperature
wait 5 seconds
repeat until led = -100
LED panel port1 shows text Umid at x: led y: 0
change led by -2
LED panel port1 shows number humiture sensor port1 humidity
forever
if light sensor on-board light intensity < 600 then
stop moving
repeat until led = -100
LED panel port1 shows text Umid at x: led y: 0
change led by -2
LED panel port1 shows number humiture sensor port1 humidity
forever
if light sensor on-board light intensity < 600 then
stop moving
if light sensor on-board light intensity < 600 and light sensor on-board light intensity < 800
move forward at power 50 % for 5 secs
if light sensor on-board light intensity < 800 and light sensor on-board light intensity < 1000
move forward at power 100 % for 5 secs
Blocks
Arduino C