

Reading-STEAM

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n

108

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1. Ine-4

108

Ine-4

Ine-5

Jd-3 pH Jd-6

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2. STEAM Reading STEAM STREAM

STEAM Reading STEAM STREAM Arts Sharapan, 2012 2018 STEAM 2017 STEAM

STEAM Reading DeBoer Carman Lazzaro 2010 Reading Writing Ali Trachta 2018 STEAM STREAM 108

n Reading-STEAM

STEAM Reading-STEAM Reading-STEAM 1




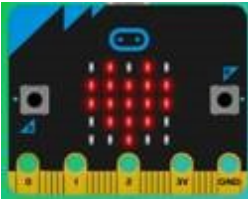

1 Reading-STEAM

	Reading	STM	EA
1. Reading			
2. Reading			
3. Reading			
STEAM			
4. Reading			

1. Reading~

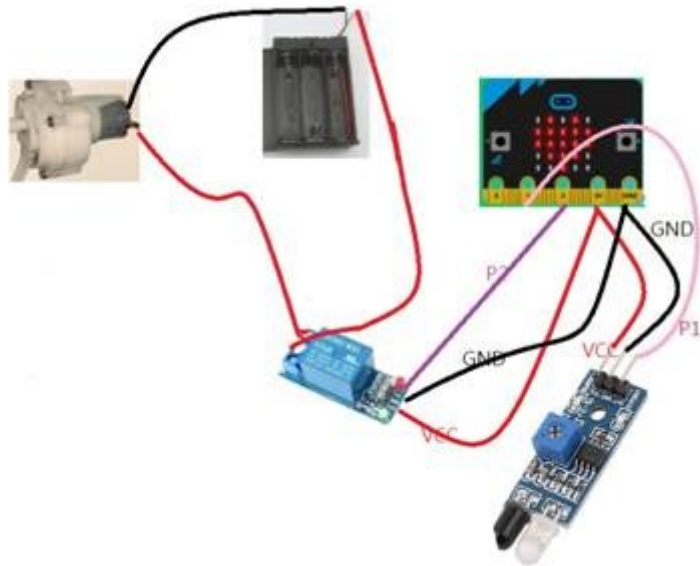
Reading.....

□2: □□□□

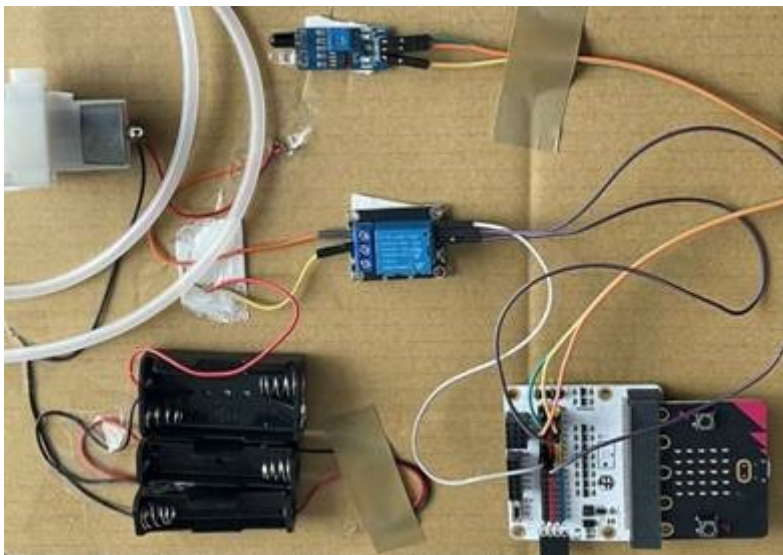
□□□□□□□□	□□□□□□	□□□□□□ DC5V
		
Microbit	□□□	
		

(b) □□□□

□□□□□□□□□□1□□2□



□1 □□□□□□□□□□



□2□□□□□□□□□□□□

(c) □□□□



□3□□□□□□□□□□

(d) □□□□ : □□□□□□□□□□□□□□□□

(4)□□□□~

a. □□□□Reading-STEAM□□□□

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3. Reading - STEAM

Input	Output
Input	Output (Digital signal) Output (Analog signal) Output (Digital signal)
Input (S)	Bc - 4 Output
Input (T)	Output
Input (E)/Input (A)	Output
Input (M)	Output



4. Reading - STEAM

1. (.....)
1020, >800 20, , <100

2. 80 (0.8) 5000 (5)

b. Reading - STEAM:

.....
Microbit 75%

4. Reading - STEAM

