

# Voice broadcast temperature and humidity

### 1. Purpose

In this course, we mainly learn to use microbit, voice broadcast module, temperature and humidity sensor realize voice broadcast temperature and humidity data.

# 2. Programming method

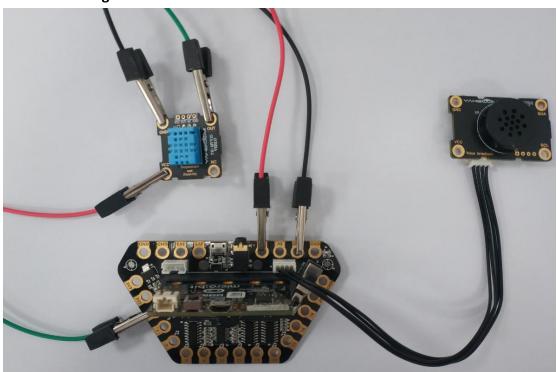
Mode 1 online programming:

First, we need to connect the micro:bit to the computer by USB cable. The computer will pop up a USB flash drive and click on the URL in the USB flash drive: http://microbit.org/ to enter the programming interface. Add the Yahboom package: https://github.com/YahboomTechnology/dht11 and https://github.com/YahboomTechnology/Speech to start programming.

## Mode 2 offline programming:

We need to open the offline programming software. After the installation is complete, enter the programming interface, click[New Project]. Add Yahboom package: <a href="https://github.com/YahboomTechnology/dht11">https://github.com/YahboomTechnology/Speech</a>, you can start programming.

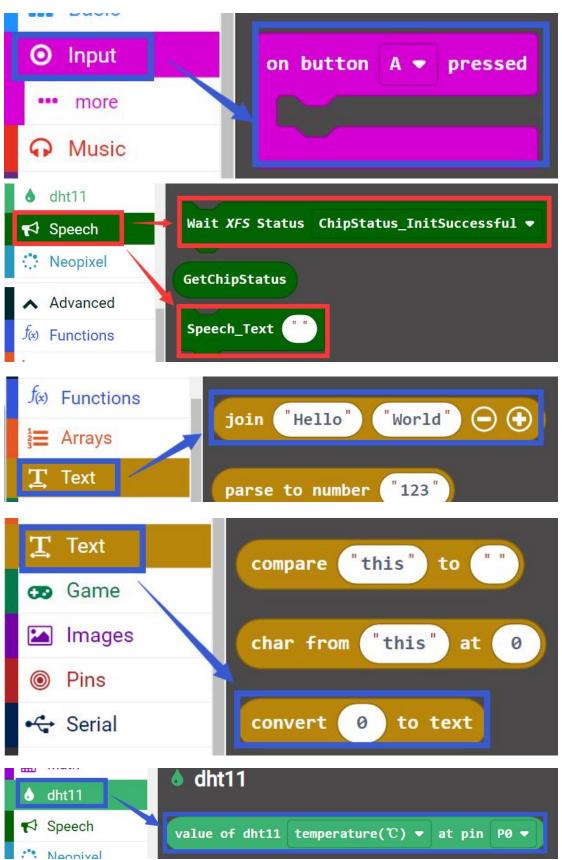
### 3. About wiring



### 4. Combine building blocks

We need to use the following programming building blocks.







# 5. Experimental phenomenon

After the program is downloaded successfully, when we press the button A of the micro:bit board, the voice broadcasts the percentage of the currently detected temperature and humidity.