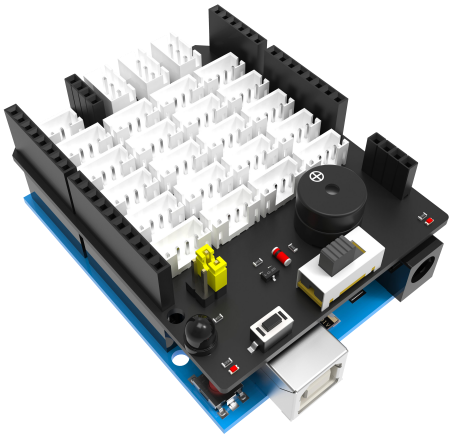
Experimental content: Drive the buzzer to make a “DingDong” sound

Experiment preparation: UNO board *1, Plugkit sensor expansion board *1, USB data cable *1

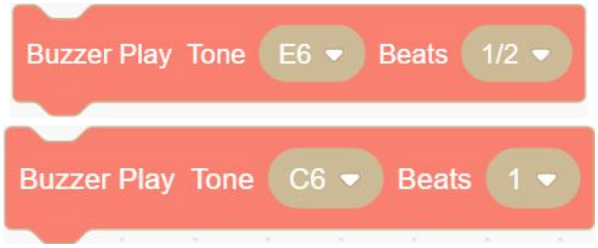
Experimental wiring: Jumper caps need to be connected to Plugkit sensor expansion board 13 and BUZZER. The factory default jumper caps have been connected.



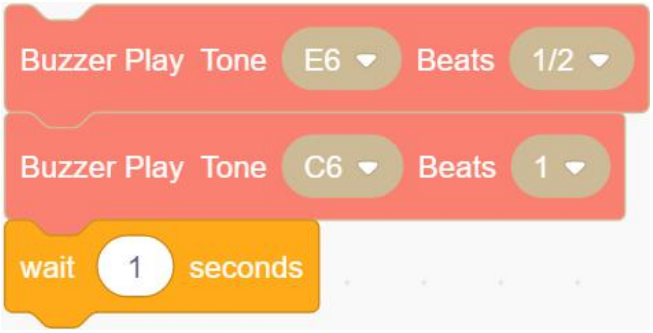
Experimental steps:

1.Select the following building blocks in the [Plugkit] and [Control] categories

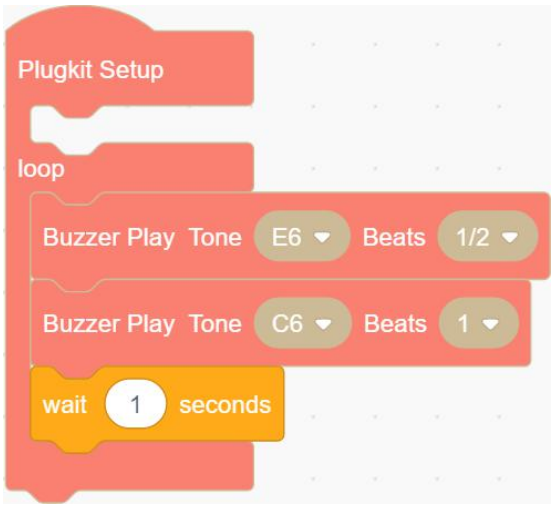
2. Set the tone of the buzzer module to "Ding", the tone of E6 (1319) and rhythm is 1, the tone of "Dong" is C6 (1049) and rhythm is 1/2. The rhythm is divided into 1 beat, 1/2 beat, 1 / 4 beats, 1/8 beats, etc., We set the time for 1 note to be 1s; 1/2 beat to 0.5s; 1/4 beat to 0.25s; 1/8 beat to 0.125s ... as shown below.



3. Combine the blocks that emit "Ding" and "Dong" tones, and add another "wait for 1s" block.



4. Put the assembled blocks from the previous step into the loop block



4. Connect to the computer through the USB data cable, click 

the upper right part of helloblock to switch to the code mode, select the serial port number other than COM1

, click the upload symbol  in the upper right corner, wait patiently for a moment, and when the lower right corner appears “Done compiling. Done uploading” indicates the upload is successful. For details, please refer to the [About helloblock programming]---[6.Helloblock basic operation].

Experimental phenomena: The buzzer sounds "Ding Dong" every 1s.