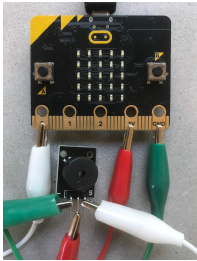




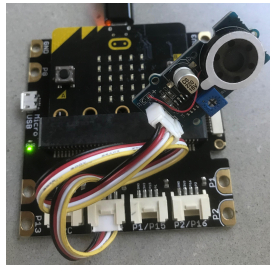
# 1 - Creating Sounds

Added libraries: Libraries **+** **Tone** **Scrolling**

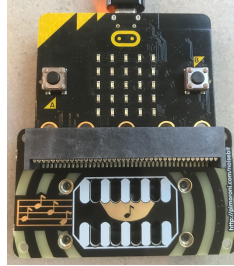
piezo



Grove



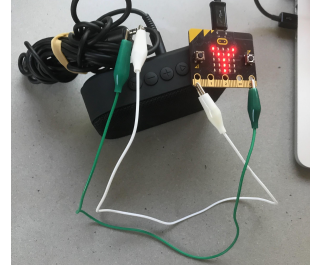
Pimoroni



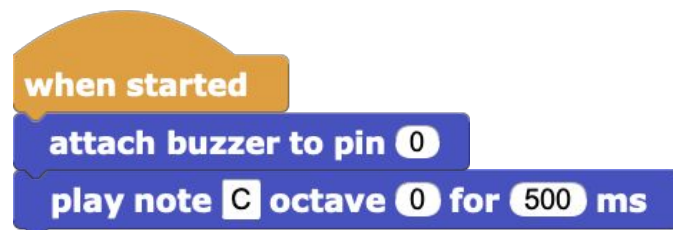
paperclip, headset



audio jack speaker

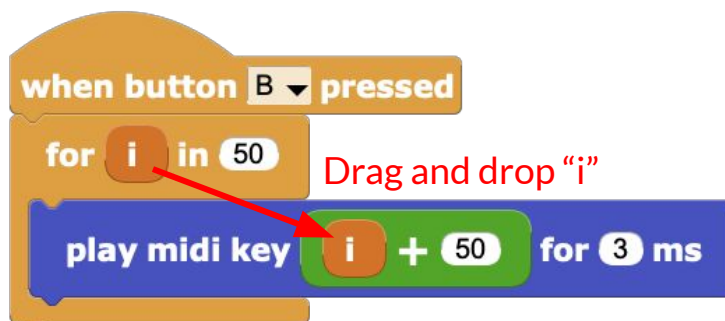


Set the speaker pin using the “attach buzzer” block. Then try “play note” blocks to hear sounds.

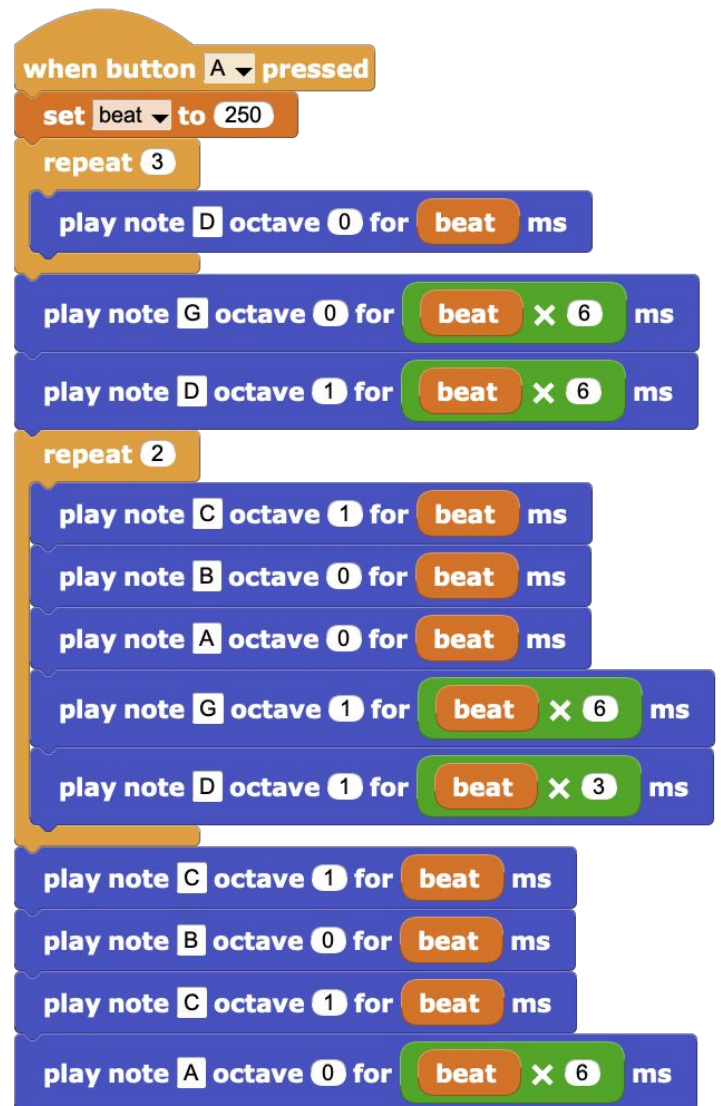


Create the script at right. Use a variable "beat" to adjust the song to play faster or slower. Do you recognize the tune?

Challenge: Try making a “sound effect” like below. Also, explore examples in the Music folder.



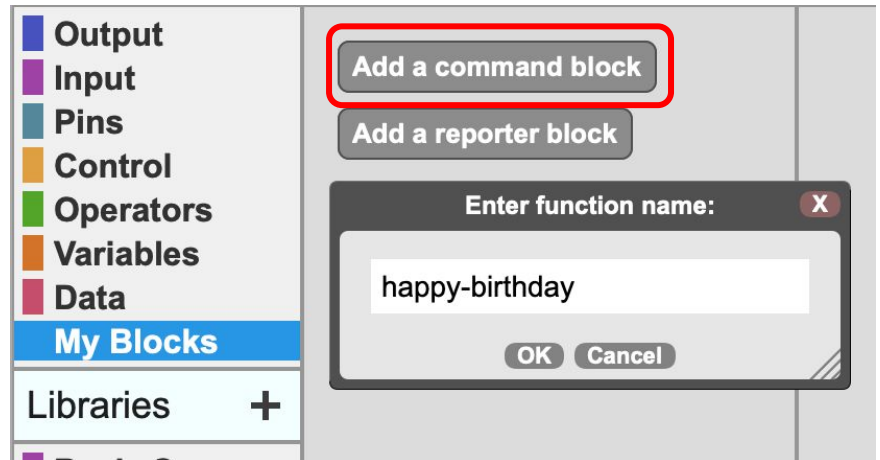
There are many ways to play music.



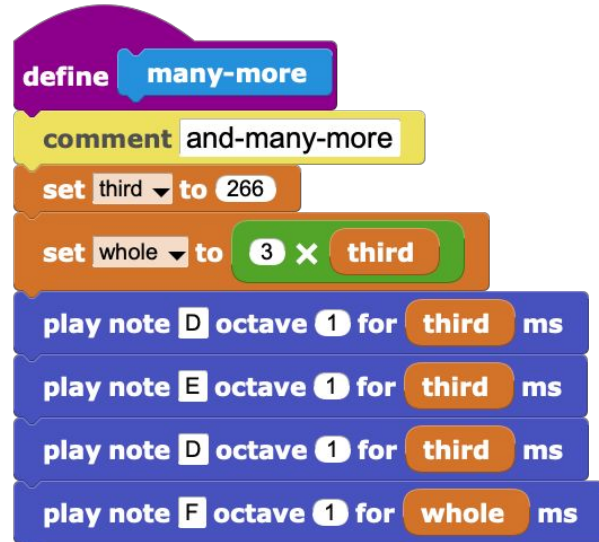


## 2 - Play and Display Happy Birthday

Make a “Happy Birthday” cake topper that uses command functions. From “My Blocks” click “Add a command block”, name it, and a purple “hat block” will appear.



Run your new command functions when button A is pressed.



These functions define variables for note duration (eighth, quarter, half...)

Challenge: Can you add the remaining notes of the Happy Birthday tune?