



# CPX | Playing with Sounds, Part 1

Connect the Circuit Playground Express to MicroBlocks.



Click a note block to play one note. Experiment with the note, octave, and duration to make different notes.

play note **C** octave **0** during **500** ms

Put note blocks together to make tunes.

play note **C** octave **1** during **400** ms

play note **D** octave **1** during **400** ms

play note **E** octave **1** during **400** ms

play note **C** octave **1** during **400** ms

when started

repeat 2

play note **C** octave **1** during **400** ms

play note **D** octave **1** during **400** ms

play note **E** octave **1** during **400** ms

play note **C** octave **1** during **400** ms

repeat 2

play note **E** octave **1** during **400** ms

play note **F** octave **1** during **400** ms

play note **G** octave **1** during **800** ms



Select open and choose the music folder to see more examples of songs!

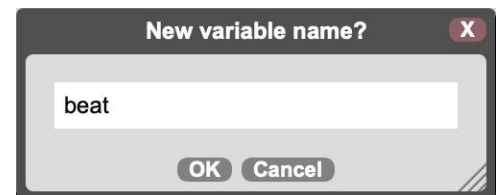


# CPX | Playing with Sounds, Part 2

Connect the Circuit Playground Express to MicroBlocks.



To make longer tunes, you can use a variable for note durations so you can change the speed.  
Click on the variables category and create a new variable.



Now you can customize the length of the note easily in the *play note* block. Use the *repeat* block for parts of the song that repeat.



Select open and choose the music folder to see more examples of songs!