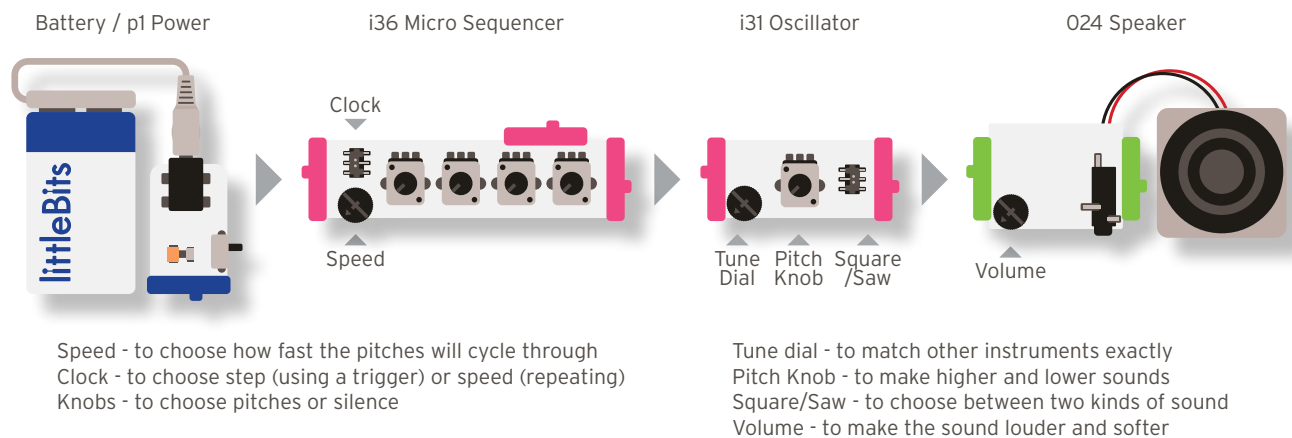


A **sequencer** allows a musician to choose a series of notes and play them whenever they want. You can step through the notes one at a time using a type of **controller** called a **trigger**, or you can set the notes to play over and over again in a pattern.



A Repeating Pattern.

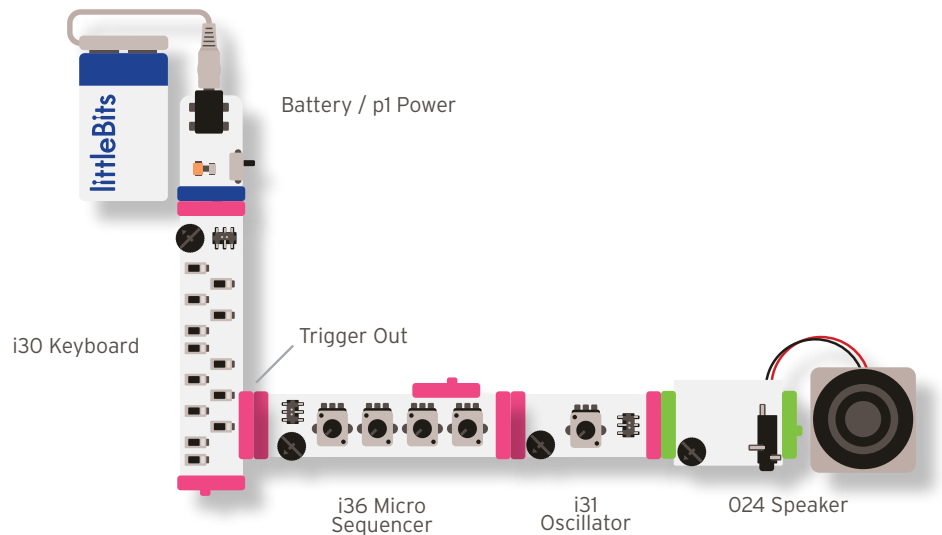
Set the clock switch on the micro sequencer to "speed." When you switch on the power, four notes will begin to play, one after the other. The LED lights tell you which note is playing. Turn one of the micro sequencer's knobs all the way down (left - counterclockwise) to create a silent pulse.

Explore some patterns of notes and silences. Explore different speeds.

What happens when you replace the oscillator with the random module set to noise? What does turning the sequencer's knobs up and down do to the sound?

Step in Time.

Put the oscillator back into your circuit and remove the random module. Move the sequencer's clock switch to "step," and add the keyboard module to your circuit as shown.



Slide the keyboard's key mode switch to "press." The keyboard module is now functioning as a **trigger** for the micro sequencer. Each time you press one of its buttons, another step is played from the sequencer. Holding the key down allows the steps to play in sequence until you let go.

What happens when you slide the keyboard's key mode switch to "hold?"

Why?

Share what you've learned:

Find a repeating pattern that you like and choose a speed (or step through the pitches at your own pace using the trigger). You or a partner can perform with the pattern by:

- Rapping
- Singing
- Playing an Instrument
- Clapping or Doing Other Body Percussion
- Reading poetry

Share your work with a friend, your teacher, or on social media (with your teacher's permission).