**EarSketch Task: Digital Drumset**



Previously in EarSketch, we’ve made drum tracks using loops and the makeBeat() function. So far, we have only been using one or two different sounds for our beats. This works well for songs like Queen’s “We Will Rock You,” which has a rhythm made up entirely of just stomps and claps. For other songs, using many different sounds for your beat can make it more interesting and unique. This adds flavor and makes your music stand out.

For the first mini-task of the class, **your challenge** is to recreate a drum track from a song that uses three or more different drums, and use **loops** and **makeBeat()** to recreate the drums in EarSketch.

Some things to consider before you start:

* Think about songs that you like. What is the rhythm doing throughout the song? What drums are used? When do each of those drums play throughout the beat?
* There are many types of drums. Can you name each drum that you can often find on a drumset?

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| **EarSketch Requirements** | **Drum Track Requirements** |
| * Variables * makeBeat() * for loop | * Repeat the beat over 16 measures. * Use at least 3 different sounds to create your drumset. * Choose a drumset rhythm from an existing song to base your track off of. * **Optional challenges**: Have your rhythm change between measures or add in each sound at different times during your song. |

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| **Project Plan** |
| * Explore the different types of drum rhythms and choose one that you want to replicate. * Understand how our selected rhythm can be represented on the 16th note grid so that you can write it as a beat string for the makeBeat() function. |
| * Choose your **tempo** * Choose your drum sounds * Create your beatstrings according to what rhythm you chose to recreate. * Fill out the **loop** with your **makeBeat()** functions. * **Debug and Share Link:** Debug your code in EarSketch so that it runs correctly. |
| **Drum Beat Examples** |
| * Use this video from the Earsketch curriculum panel for song choice inspiration: <https://earsketch.gatech.edu/earsketch2/?curriculum=/en/v2/add-beats:beatsandgenres&language=python> * Additionally, you can use the beats that we created using the Ableton Beatmaker earlier in the class:  <https://learningmusic.ableton.com/make-beats/rock-and-house.html> |