EarSketch – engageCS

Going deeper in the curriculum

March 2017

1. Possible exercises

The conclusion of the session is an invitation for students to create their own songs. You can have additional elements for students interested in going deeper:

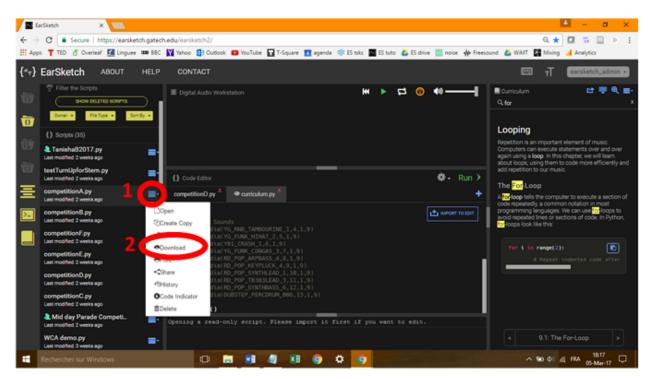
- Students can add loops. This can be done using the makebeat command. After reading the appropriate paragraph (see chapter https://earsketch.gatech.edu/earsketch2/?curriculum=2-1-0), they can have the makeBeat() repeat for several measures (a measure is the musical time unit). A bonus exercise for highest achieving students: try to have a makeBeat() only in every other measure (answer: inside the makeBeat function, type 2*I where I is the iteration counter).
- Students can also insert variables. After looking at the paragraph on variables (https://earsketch.gatech.edu/earsketch2/?curriculum=1-2-4), they can have variables for their sound names, instead of using them directly.
- For students who feel comfortable, they can also learn about functions (see chapter https://earsketch.gatech.edu/earsketch2/?curriculum=2-2-0), and create functions for each sections of their songs.

2. Converting a script to MP3

To convert your script to an MP3 file, follow these instructions:

• Go to the script section:

	ch.gatech.edu/earsketch2/ 🎟 88C 🙀 Yahoo 🚱 Outlook 💶 YouTube 🖬 T-Square 👥 a	genda 😻 ES tsks 👿 ES tuto 🔥 ES drive 📃 noise 🌵 Free	Q ★ 🖾 🚡 📄 🕨 sound 🔥 WMT 🌃 Mixing 🚄 Analytics
*} EarSketch ABOUT	HELP CONTACT		T earsketch_admin
Filter the Scripts Server DELETED SCHIPTS Owner File Type Sert	32 Digital Audio Workstation	₩ ► C2	E Curriculum 🗠 🕎 🔍 Q. for
Scripts (35)			Looping Repetition is an important element of music.
Last modified 2 weeks ago	=		Computers can execute statements over and over again using a loop. In this chapter, we will learn about loops, using them to code more efficiently a
testTurnUpforStem.py Last modified 2 weeks ago	=- () Code Editor	💠 Run 🔾	add repetition to our music. The For-Loop
competitionA.py Last modified 2 weeks ago	competitionD py X @ curriculum.py X	+	A for loop tells the computer to execute a section
competition8.py Last modified 2 weeks ago			 coide repeatedly a common notation in most programming languages. We can use to loops to avoid repeated lines or sections of code. In Python loops look like this:
Last modified 2 weeks ago	21 #fitNedia(YG_FUNK_HIHAT_2,5,1,9) 22 #fitNedia(Y01_CRASH_1,6,1,9)		for L in range(2):
competitionE.py Last modified 2 weeks ago	 #fitMedia(YG_FUNK_CONGAS_3,7,1,9) #fitMedia(RD_POP_ARPBASS_4,8,1,9) #fitMedia(RD_POP_KEYPLUCK_4,9,1,9) 		# Repeat indented code after
competitionD.py Last modified 2 weeks ago	26 efitHedia(RD_POP_SYNTHLEAD_1,10,1,9) 27 efitHedia(RD_POP_TE303LEAD_3,11,1,9) 28 efitHedia(RD_POP_SYNTHEAS5_6,12,1,9)		
competitionC.py Last modified 2 weeks ago	29 #fitMedia(DUBSTEP_PERCORUM_006,13,1,9 30 31 finish()	·	
& Mid day Parade Competi Last modified 2 weeks ago	 Opening a read-only script. Please import 	it first if you want to edit.	·
WCA demo.py Last modified 3 weeks ago	=-		< 9.1: The For-Loop >



• Then open the menu for the script you want to convert to mp3, and click on download:

• This will open this window (shown below), then click on the download sign in the mp3 line:

