

Introduction

March 2017

1. Introducing Python and EarSketch

As an instructor, make sure that you go through the tutorial before your session. Here is a suggested introduction to Python and this tutorial:

" Python is used a lot of big software companies such as google, dropbox, or instagram. The reason for its success is that it is a simple yet very powerful language. A computer language will allow you to communicate with your computer to request that it accomplishes tasks for you. Ultimately, Python can be used to create web application, for data analysis, machine learning, and many other things.

In this particular session, you will see how you can use Python to compose your own music, using the EarSketch website. This hour of code tutorial is designed for students who have never coded, in order to help you get started. Follow the instructions and compose your first EarSketch song!"

Then direct the students to this page to start the tutorial:

<https://ears sketch.gatech.edu/ears sketch2/?curriculum=8-0-0>

2. Selecting sounds in the sound browser

There is a wide range of music styles: when selecting a sound in the sound browser (icon on the top left, see green circle), you can filter by genre (cinematic score, dubstep, EDM, electro, hip hop, house, RNB, trap, world percussion, etc.), see image below. If students are not satisfied with the sound samples in the browser, they can also download sounds on this free website: <https://www.freesound.org/>.

