

Python EarSketch Program Rubric and Style Sheet

Integrating Computer Applications – Mr. Michaud and Mr. Yoder

Directions:

Create an EarSketch Python program that generates a musical composition or remix. The resulting remix should be at least 32 measures long and demonstrate use of variables, EarSketch functions, “For Loops”, and creating your own functions. The project will be graded based on both creativity and the number and types of different python programming ideas you use.

Format for your Python Program (“Style Sheet”)

```
# EarSketch Final Project
# Firstname Lastname
# ICA: Block Number

# Import Statement

from earsketch import *

# Variables

# Functions

# Setup Remix

init()
setTempo(120)

# Create Music

# Finish Command
finish()
```

Python EarSketch Programming Score Sheet

Feature	Points	Points Awarded
On Time?	-10 Points per day if late	
Python file followings style sheet	10 Points	
Project must be at least 32 measures long with at least three contrasting sections in form (ABABCB) or (AABBCCAA)	10 Points	
Project must have at least three tracks (drums, bass, and melodic (guitar or keyboard))	10 Points	
Project must use makeBeat() to generate rhythmic interest through fills or beats.	10 Points	
Project must use at least one "For Loop" to repeat musical material while using the index variable	10 Points	
Comment used in code to label and describe sections	10 Points	
Project uses at least three variables.	10 Points	
Project has at least 3 user defined Functions to create musical sections, fills, or other remix effects.	10 Points	
Render Project as .wav file with REAPER and upload both .wav file and python file to SkyDrive	10 Points	
Creative, new, or extensions to material covered in class. -Did you create a complicated Function? -Did you use Lists to organize musical data -Did you explore setting effects -Other creative discoveries?	Bonus Points	
	Total:	

Student Name:

Grade: