

Unit 5 - Music Programming (Optional Unit)

This unit is a tremendous unit to learn how to use Python to code Music. If this is a stand alone computer science course, it is a great way to expose students to a great example of the power of Python. If you are preparing your students for the AP Computer Science A course and/or a certification, we recommend prioritizing units 6 and 7 and coming back to unit 5 if there is time at the end of the semester.

Essential Questions

- What is Modulo and how can you apply it to a loop in Python?
- How do you loop through the items in a list?

Pacing Guide

Timing

1 Day = 50 minute class period

Lesson	Days	Resources
5.01:	1	5.01 Slide Deck
5.02:	1	5.02 Slide Deck
5.03:	1	5.03 Slide Deck
5.04:	1	5.04 Slide Deck
5.05:	5	5.05 Slide Deck
Total Days	9	
Total Minutes	450	

Key Terms

- Digital Audio Workstation
- Sound tab
- fitMedia()
- setTempo()
- Modulo
- Section
- A-B-A form