

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 [5.01 Slide Deck]: https://github.com/TEALSK12/2nd-semester-introduction-to-computer-science/raw/master/units/5_unit/slidedecks/Intro%20Python%205.01%20TEALS.pptx [5.02 Slide Deck]: https://github.com/TEALSK12/2nd-semester-introduction-to-computer-science/raw/master/units/5_unit/slidedecks/Intro%20Python%205.02%20TEALS.pptx [5.03 Slide Deck]: https://github.com/TEALSK12/2nd-semester-introduction-to-computer-science/raw/master/units/5_unit/slidedecks/Intro%20Python%205.03%20TEALS.pptx [5.04 Slide Deck]: https://github.com/TEALSK12/2nd-semester-introduction-to-computer-science/raw/master/units/5_unit/slidedecks/Intro%20Python%205.04%20TEALS.pptx [5.05 Slide Deck]: https://github.com/TEALSK12/2nd-semester-introduction-to-computer-science/raw/master/units/5_unit/slidedecks/Intro%20Python%205.05%20TEALS.pptx