

Unit 1 - Text-based vs. Block-based Programming

This unit introduces students to a text based coding IDE, Console and starts to transition them away from a block based language and into Python.

Essential Questions

- What is Python?
- What is an IDE?
- What are the basics to programming with Python?
- How do you use the console?
- How do apply what I learned in Snap to programming in Python?

Pacing Guide

Timing

1 Day = 50 minute class period

Lesson	Days	Slide Decks
1.01: Set Up	1	1.01 Slide Deck
1.02: Interactive Mode	1	1.02 Slide Deck
1.03: Script Mode and Variables	1	1.03 Slide Deck
1.04: Variables Input	1	1.04 Slide Deck
1.05: Quiz & Debugging	1	1.05 Slide Deck
1.06: MadLibs	2	1.06 Slide Deck
Total Days	7	
Total Minutes	350	

Key Terms

- IDE
- Python
- Interpreter
- String
- Integer
- Float
- Value
- Errors
- console
- Expression
- Script
- Print
- Run
- output
- Variable
- Script Mode
- Interactive Mode
- Comments
- Storing
- Mutability
- Variable Assignment
- Input
- Debugging
- Syntax