

# Unit 2 - Data Types, Arguments, Lists and Loops ## Essential Questions \* How do you apply Data Types in Python? \* How do you apply Arguments in Python? \* How do you apply lists in Python? \* How do you apply a While Loops in Python? ## Pacing Guide ### Timing 1 Day = 50 minute class period | Lesson | Days | Resources | | ----- | ----- | ----- | 2.01: Data Types & Casting | 1 | [2.01 Slide Deck] | 2.02: Booleans & Expressions | 1 | [2.02 Slide Deck] | 2.03: Conditionals | 1 | [2.03 Slide Deck] | 2.04: Lists | 1 | [2.04 Slide Deck] | 2.05: Lists 2 | 1 | [2.05 Slide Deck] | 2.06: Game Loop | 1 | [2.06 Slide Deck] | 2.07: Text Game | 9 | [2.07 Slide Deck] | \*\*Total Days\*\* | 15 | | \*\*Total Minutes\*\* | 750 | | ## Key Terms \* type \* string \* casting \* Float \* Integer \* Boolean \* Expression \* Composition \* True \* False \* If \* Else \* Elif \* Conditionals \* Flow of control \* List \* Item \* Index \* Slice \* Append \* Pop \* Remove \* While Loop [2.01 Slide Deck]:  
[https://github.com/TEALSK12/2nd-semester-introduction-to-computer-science/raw/master/units/2\\_unit/slidedecks/Intro%20Python%202.01%20TEALS.pptx](https://github.com/TEALSK12/2nd-semester-introduction-to-computer-science/raw/master/units/2_unit/slidedecks/Intro%20Python%202.01%20TEALS.pptx) [2.02 Slide Deck]:  
[https://github.com/TEALSK12/2nd-semester-introduction-to-computer-science/raw/master/units/2\\_unit/slidedecks/Intro%20Python%202.02%20TEALS.pptx](https://github.com/TEALSK12/2nd-semester-introduction-to-computer-science/raw/master/units/2_unit/slidedecks/Intro%20Python%202.02%20TEALS.pptx) [2.03 Slide Deck]:  
[https://github.com/TEALSK12/2nd-semester-introduction-to-computer-science/raw/master/units/2\\_unit/slidedecks/Intro%20Python%202.03%20TEALS.pptx](https://github.com/TEALSK12/2nd-semester-introduction-to-computer-science/raw/master/units/2_unit/slidedecks/Intro%20Python%202.03%20TEALS.pptx) [2.04 Slide Deck]:  
[https://github.com/TEALSK12/2nd-semester-introduction-to-computer-science/raw/master/units/2\\_unit/slidedecks/Intro%20Python%202.04%20TEALS.pptx](https://github.com/TEALSK12/2nd-semester-introduction-to-computer-science/raw/master/units/2_unit/slidedecks/Intro%20Python%202.04%20TEALS.pptx) [2.05 Slide Deck]:  
[https://github.com/TEALSK12/2nd-semester-introduction-to-computer-science/raw/master/units/2\\_unit/slidedecks/Intro%20Python%202.05%20TEALS.pptx](https://github.com/TEALSK12/2nd-semester-introduction-to-computer-science/raw/master/units/2_unit/slidedecks/Intro%20Python%202.05%20TEALS.pptx) [2.06 Slide Deck]:  
[https://github.com/TEALSK12/2nd-semester-introduction-to-computer-science/raw/master/units/2\\_unit/slidedecks/Intro%20Python%202.06%20TEALS.pptx](https://github.com/TEALSK12/2nd-semester-introduction-to-computer-science/raw/master/units/2_unit/slidedecks/Intro%20Python%202.06%20TEALS.pptx) [2.07 Slide Deck]:  
[https://github.com/TEALSK12/2nd-semester-introduction-to-computer-science/raw/master/units/2\\_unit/slidedecks/Intro%20Python%202.07%20TEALS.pptx](https://github.com/TEALSK12/2nd-semester-introduction-to-computer-science/raw/master/units/2_unit/slidedecks/Intro%20Python%202.07%20TEALS.pptx)