

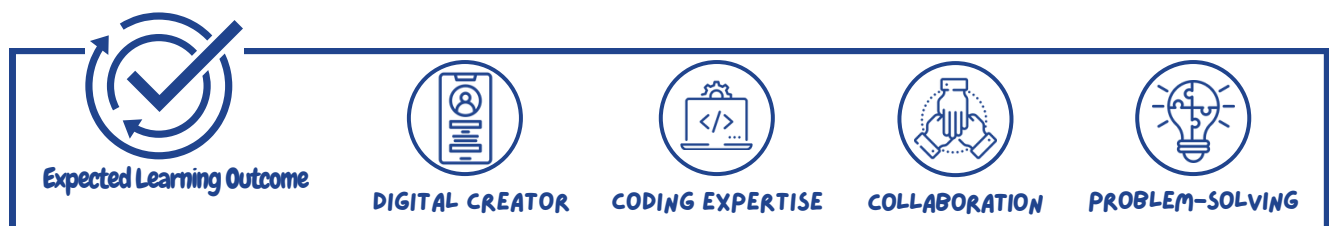
Intro to Python

13-15+ Years old



COURSE DESCRIPTION

A foundational course in Python programming, covering syntax, functions, data structures, and project development. Students apply their skills in data structures to complete our project paths to unlock the power of Python.



TOPIC COVERS

Syntax and Structure	Variables	Data Types	Conditionals	Loops
Functions	Lists and Dictionaries	Debugging	Project Design & Development	End of Course Project

COURSE RUBRIC

Quizzes: 10%
Attendance: 10%
Homework: 10%
Class Participation: 20%
End of Course Project: 50%



TEACHING/LEARNING APPROACH

- **Interactive Coding Exercises:** Students actively engage with Python syntax and logic through hands-on, real-time practice.
- **Pair Programming:** Learners work in pairs to solve problems, improving code understanding and communication skills.
- **Project-Based Learning:** Concepts are reinforced through meaningful projects that apply programming to real-world scenarios.
- **Group Collaboration:** Team-based tasks promote peer learning, shared problem-solving, and collaborative project development.

PARENTAL SUPPORT

Parents play a key role by encouraging regular attendance, showing interest in their child's projects, and supporting practice at home. Active involvement reinforces learning and keeps students motivated.

STUDENT COMMITMENT

This weekend course requires consistent attendance, focus during sessions, and a willingness to explore and complete projects. A positive attitude and steady participation help students gain the most from the program.

Important Note: To receive a Certificate of Completion, students must attend at least 60% of the total class sessions (8 sessions out of 12).

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