

DESCRIPTION

Course Description:

This complete beginner's Python programming class is designed for middle school students who have never learned about Python, and are new to coding. No prior coding experience is required. The course will introduce students to the fundamental concepts of programming using Python, which is known for being the most basic and user-friendly programming language. The class will start at a complete beginner level and gradually progress, allowing students to build a solid foundation in programming.

Throughout the course, students will engage in interactive activities inspired by the curriculum used at Thomas Jefferson High School of Science and Technology. These activities, including games, basic programs, and simple graphics, will provide both challenge and enjoyment.

Prerequisites: None (No prior coding experience required)

Topics:

Variables and Types. Lists. Basic Operators. String Formatting. Basic String Operations. Conditions. Loops. Functions. Classes and Objects. Dictionaries. Modules and Packages.