

Computing Level 3

Introduction

Over the summer, you will begin developing one of the most important programming skills used in the computing industry today: **Python programming**.

Python is widely used in software development, cyber security, artificial intelligence, automation, data science, and web development. It is considered one of the best programming languages for beginners due to its simple syntax and powerful capabilities.

To support your learning, you will complete lessons using the Mimo Python course:

Course Link

[Mimo Learn Python Course](https://mimo.org/courses/learn-python)

<https://mimo.org/courses/learn-python>

You only need to complete the free training; there is no expectation for you to pay for the extras on this platform.

The course contains 14 structured sections covering:

- Python Basics
- Variables and Data Types
- Conditional Statements
- Loops
- Lists
- Functions
- Dictionaries
- Classes
- Object-Oriented Programming
- Modules
- Error Handling and Exceptions

and more.

Project Objectives

By completing this project, you will:

- ✓ Develop basic Python programming skills
- ✓ Learn how professional programmers solve problems
- ✓ Build confidence writing code independently
- ✓ Prepare for practical programming units next year
- ✓ Create a portfolio of evidence showing your progress

Task – Complete the Mimo Python Course

Complete as much of the Python course as possible.

Minimum Expectation

You must complete at least:

- Python Basics
- Types & Comparisons
- Conditional Statements
- Loops
- Lists
- Functions

These are the core foundations of programming.



Evidence Required

Take screenshots showing:

- Your progress
- Completed modules
- Streaks or achievements

Paste the screenshots into a Word document.

The word document can then be sent to me at ben.lewis@easterneducationgroup.ac.uk before Tuesday 25th August.