Next move....

Pleckgate HIGH SCHOOL COMPUTER SCIENCE

Learning Journey Y11 Computer Science @Pleckgate High School

Pleckgate HIGH SCHOOL COMPUTER SCIENCE

YOU ARE HERE

YEAR 11

TCP/IP—Packet switching

The internet of things

Introduction to programming—IF , E

Problem solving

Embedded Systems

HT1 Data & Python

Bubble Sort

Environmental impacts

Trace Tables

HT2 Data continued & Python

End of unit assessment

High & Low level Languages

End of unit assessment

Translators

Data Types, Binary , Boolean, String

Bitmaps

Binary Search

HT3 Computer systems & Python

AI and Machine learning

End of unit assessment

Trace Tables

Intellectual property

Personal Data

HT4 Operating system & Python

Syntax Errors programming

Task assessment

Sound

End of unit assessment

Privacy and Ownership

HT5 Exam Practice and revision

Paired Programming tasks

Recap of String manipulation

Stored Program concepts

Fetch , decode , execute cycle

Data Structures

Problem Solving Computational skills

Recap of topics and exam questions

Data Representation

Flow charts and Algorithms

IF, Elif , Else. For loops and While

Walking talking mock—Written and python based

Paired programming tasks

Recap of Operating systems, file and user management

Secondary storage - Magnetic, Optical and Solid state

HT6 Exam practice and revision

End

Assessment Focus	
End of Lesson Google Form	
End of Unit Google Form	
In class questioning	
Practical	

Exam Revision—Best practices

Revision cards , mnemonics , mind maps

Recap on Python Turtle

Networks and computer systems

AI and Machine Learning

Exam paper 1

Exam paper 2