

Year 11 Computer Science

Learning Programme 4

Reading texts that pupils will study during the learning programme

Loric for LP4 is Initiative

The value we are learning about is **Justice and Integrity**:
Justice - Fair behaviour or treatment
Integrity - Being honest and having strong moral principles

What will I be learning about in this Learning Programme?

You will be learning about syntax and logic errors, logic diagrams, translators and tools and facilities in an IDE.

Where have I seen this learning before?

you will draw upon knowledge from Yr 10 and LP1, LP2 and LP3 of Yr 11

What could I use it for?

you will use this again when applying to exam questions in your exam and if you study computer science into KS5

In LP4.1, I will know:	11/03/24 - (WK 1)	PR Focus	Key Vocabulary	Homework
how to identify syntax and logic errors; how to select unsing suitable test data; normal, boundary, invalid/erroneous.			syntax and logic errors	Seneca 2.2.14 & 2.2.15
In LP4.2, I will know:	18/03/24 - (WK 2)	PR Focus	Key Vocabulary	Homework
how to refine algorithms; how to understand simple logic diagrams using the operators AND, OR and NOT; how to understand truth tables for each logic gate.			refining, algorithms, logic operators, truth tables	Seneca 2.2.16
In LP4.3, I will know:	08/04/24 - (WK 1)	PR Focus	Key Vocabulary	Homework
how to combine Boolean operators in truth tables to solve problems; how to apply logical operators in truth tables to solve problems. Extended Task			Boolean operator, logical operators	Seneca 2.3.1
In LP4.4, I will know:	15/04/24 - (WK 2)	PR Focus	Key Vocabulary	Homework
how to understand the characteristics and purpose of different levels of programming language; how to understand the purpose of translators; how to identify the characteristics of a compiler and an interpreter.			translators, compiler, interpreter	Revise for assessment
In LP4.5, I will know:	22/04/24 - (WK 1)	PR Focus	Key Vocabulary	Homework
how to understand common tools and facilities available in an Integrated Development Environment (IDE); how to understand how each of the tools and facilities can be used to help a programmer develop a program; how to demonstrate using a range of these tools.			IDE	Seneca 2.3.2
In LP4.6, I will know:	29/04/24 - (WK 2)	PR Focus	Key Vocabulary	Homework
how to revise and to apply knowledge learnt from Yr 10 and Yr 11 to exam questions. Extended Task				Seneca 2.3.3
In LP4.7, I will know:	06/05/24 - (WK 1)	PR Focus	Key Vocabulary	Homework
how to revise and to apply knowledge learnt from Yr 10 and Yr 11 to exam questions.				Seneca 2.3.4
In LP4.8, I will know:	13/05/24 - (WK 2)	PR Focus	Key Vocabulary	Homework
how to revise and to apply knowledge learnt from Yr 10 and Yr 11 to exam questions.				Seneca 2.3.5
Resources to support learning:				
Teams Page				
FFET Award Challenge for this Learning Programme:				
Attend an extra-curricular club, represent the academy at an event, attend an enrichment day, receive a subject praise postcard, attend a day trip, attend a head of year breakfast or afternoon tea, achieve 100 positive points on class charts, receive a letter of commendation from SLT, be invited to a wonderful Wednesday, receive a principals letter or be invited to a principals lunch, attend a residential trip, achieve the Duke of Edinburgh bronze award.				

