



LEARNING JOURNEY

Year 10 Autumn

COMPUTER SCIENCE

DATA INPUT

Coming from:
A basic understanding of how computers work that we gained at key stage 3

Data input

What is data?

How data is input into a computer system

Architecture

GOLDEN THREAD QUESTION

Data affects every single topic in computer science. It is the “golden thread”. Without data, there would be no purpose to computers. Computers are used to input, process, communicate and output data. Therefore, the computer science learning journey is **the journey of data**. In this first part of the journey, students will explore how data is input into a computer system, how it is represented when stored, and how it is kept secure. Moving on from this, students will develop a wider understanding of the ethical issues surrounding data security and privacy.

Where data is stored in a computer system, once input

Representation

WE ARE HERE

How data is represented when stored in a computer system

Security

How data is validated by a computer system

How data is kept secure in a computer system

Ethics and legislation

The relevant legislation surrounding data security

The ethical issues surrounding data security and privacy

VOCABULARY: Data, Input, Systems, Representation, Legislation

Leading to:
Now we understand how data is input, we can move on to learning how it is processed