



# LEARNING JOURNEY

# COMPUTER SCIENCE

## DATA INPUT

WE ARE HERE

Data input

What is data?

How data is  
input into a  
computer  
system

Architecture

Where data is  
stored in a  
computer  
system, once  
input

Representation

How data is  
represented  
when stored in  
a computer  
system

Security

How data is  
validated by a  
computer  
systemHow data is  
kept secure in  
a computer  
systemEthics and  
legislationThe relevant  
legislation  
surrounding  
data securityThe ethical issues  
surrounding data  
security and privacyGOLDEN  
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.

**VOCABULARY: Data, Input, System, Representation Legislation**

### TUDOR HABITS

You will develop grit and resilience as you develop both systematic and computational thinking skills on this learning journey.