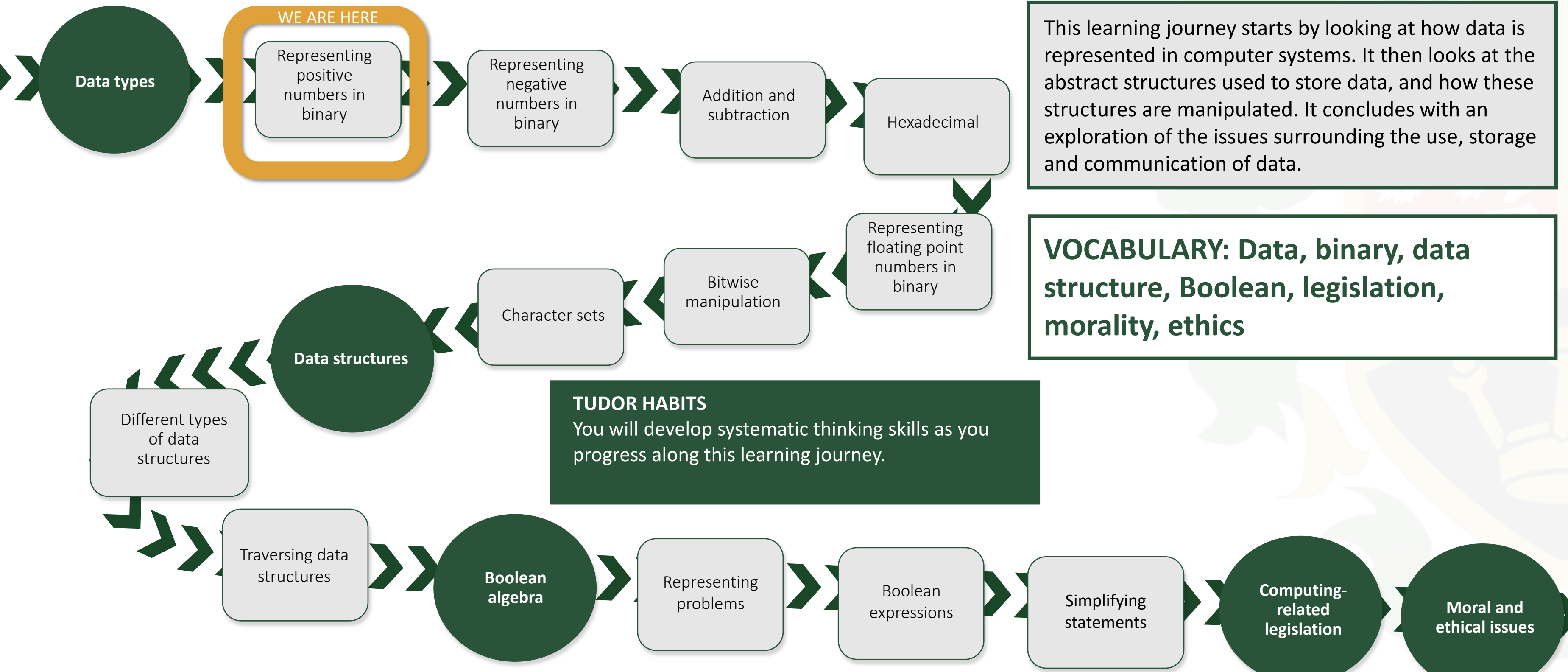




LEARNING JOURNEY

A LEVEL COMP SCI

DATA AND DATA STRUCTURES



This learning journey starts by looking at how data is represented in computer systems. It then looks at the abstract structures used to store data, and how these structures are manipulated. It concludes with an exploration of the issues surrounding the use, storage and communication of data.

VOCABULARY: Data, binary, data structure, Boolean, legislation, morality, ethics

TUDOR HABITS
You will develop systematic thinking skills as you progress along this learning journey.



LEARNING JOURNEY

A LEVEL COMP SCI

PROGRAMMING PROJECT PROPOSAL

WE ARE HERE

Project Proposal

Requirements analysis

Prototyping

For the programming project, you will be expected to analyse, design, develop, test, evaluate and document a program written in a suitable programming language. The underlying approach to the project is to apply the principles of computational thinking to a practical coding problem. You are expected to apply appropriate principles from an agile development approach to the project development. This learning journey describes the initial project proposal stage, then the gathering of requirements (known as requirements analysis), and then the initial "prototyping".

VOCABULARY: Project, requirement, analysis, prototype

CAREERS
This journey is directly linked to careers relating to programming including: software development; systems analysis; software engineering