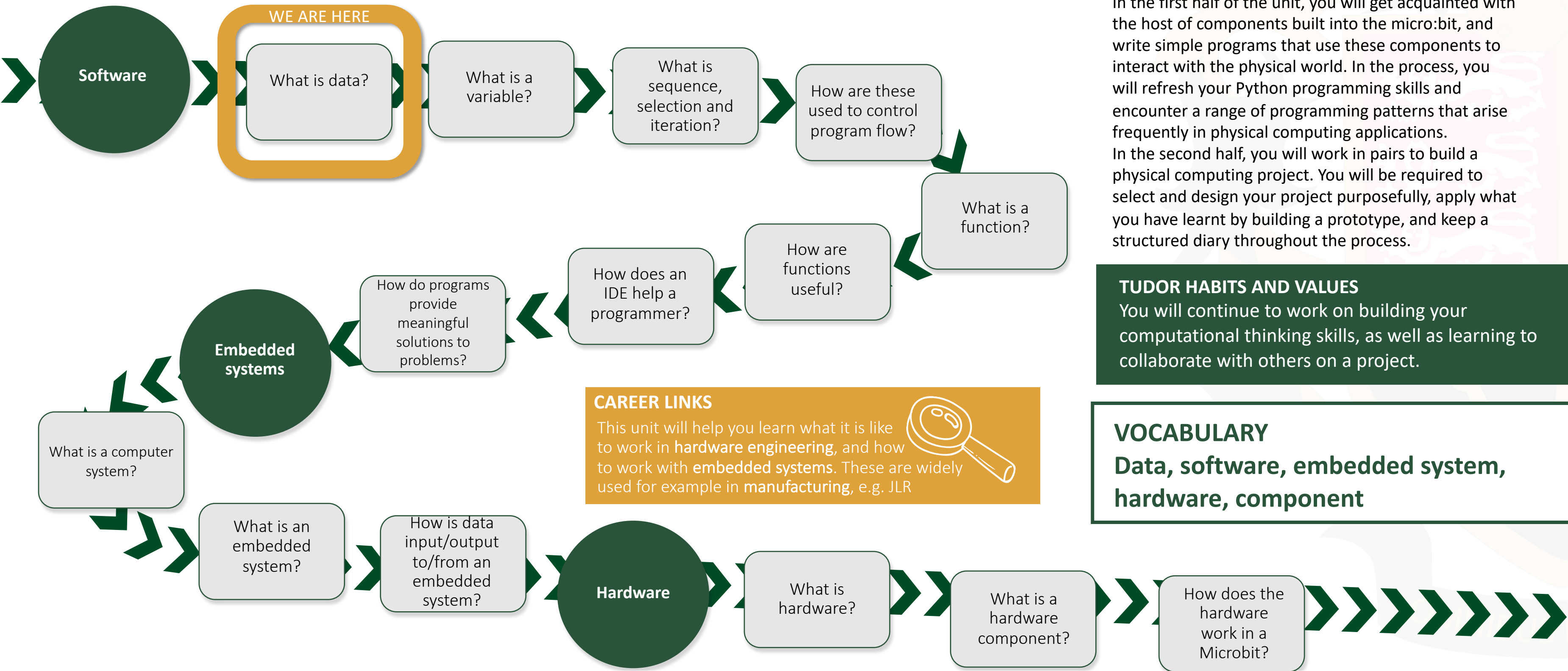




LEARNING JOURNEY

COMPUTING

PHYSICAL COMPUTING



This unit applies and enhances your programming skills in a new engaging context: physical computing, using the BBC micro:bit.

In the first half of the unit, you will get acquainted with the host of components built into the micro:bit, and write simple programs that use these components to interact with the physical world. In the process, you will refresh your Python programming skills and encounter a range of programming patterns that arise frequently in physical computing applications. In the second half, you will work in pairs to build a physical computing project. You will be required to select and design your project purposefully, apply what you have learnt by building a prototype, and keep a structured diary throughout the process.