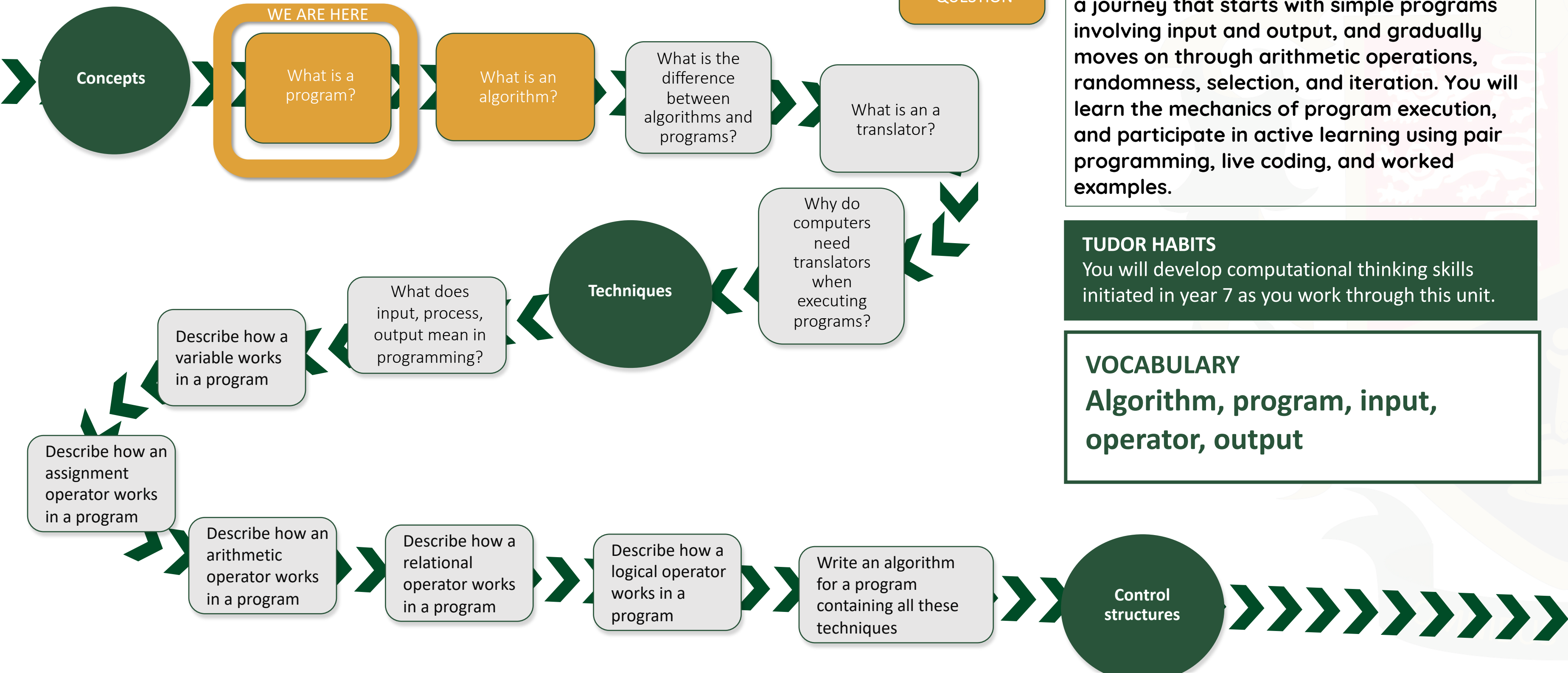




LEARNING JOURNEY

COMPUTING

INTRODUCTION TO PROGRAMMING IN PYTHON



LEARNING JOURNEY

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INTRODUCTION TO PROGRAMMING IN PYTHON

WE ARE HERE

Describe how sequence works in a program

Describe how selection works in a program

Describe how count-controlled iteration works in a program

Describe how variables work in a program

Describe how condition-controlled iteration works in a program

Describe how Boolean variables work in a program

Describe how a function works in a program

Application

Write an algorithm for a program containing all these techniques

GOLDEN
THREAD
QUESTION

This unit introduces learners to text-based programming with Python. The lessons form a journey that starts with simple programs involving input and output, and gradually moves on through arithmetic operations, randomness, selection, and iteration. You will learn the mechanics of program execution, and participate in active learning using pair programming, live coding, and worked examples.

TUDOR HABITS
You will develop computational thinking skills initiated in year 7 as you work through this unit.

VOCABULARY
Algorithm, program, input, operator, output