Year 13 Spring

LEARNING JOURNEY COMPUTER SCIENCE

CORRECTING AND CONSOLIDATING

The learning journey you will follow here isn't so much about subject *content*, but about metacognition; reflecting on how you learn and considering ways to improve. With a focus on exam questions, you will learn how to *refine* your responses in order to abstract any unnecessary detail, and also use *precision* to ensure you have utilised appropriate *technical terminology* and referred to the context of the question. You will also learn how to evaluate the different uses of technology to arrive at considered conclusions, and in doing so, demonstrate the mastery required in order to answer extended questions.

Computer Systems

WE ARE HERE

Responding to entry level questions: am I **confident** that I understand the topic?

Answering exam questions: using focus, precision and accuracy

Demonstrating knowledge and understanding

Demonstrating application

Demonstrating evaluation

Answering extended questions

TUDOR HABITS
You will develop grit and resilience as you develop critical thinking and metacognitive skills on this learning journey.

VOCABULARY: terminology, knowledge & understanding, application, evaluation

Computational Thinking

breaking down a complex problem or system into smaller parts that are more manageable and easier to understand

finding the similarities or patterns among small, decomposed problems that can help us solve more complex problems more efficiently

process of filtering out – ignoring - the characteristics of patterns that we don't need in order to concentrate on those that we do

A plan, a set of step-by-step instructions to solve a problem

The implementation of the algorithm (plan) using programming code