Computer Science

Remarkable Curriculum

Ambition

- We are ambitious about giving our students the best understanding of hardware architecture, in order to improve their understanding of algorithm design and processing.

- We give our students the opportunities to develop their skills of all programming concepts.

- We challenge our students to solve problems that get them thinking logically about program flow, allowing them to trace programs successfully.

- Our curriculum is broad, goes beyond the structure of the NC and exploring the wider world of computing.

Commitment

- The foundation of the Computer Science curriculum is to build a strong understanding of hardware and architecture.

- We are committed to improving our students' understanding of this architecture in order to deepen their understanding of how to program efficiently.

- We are committed to improving the digital literacy skills of all our students, enhancing their prospects within a life in a digital world.

- We are committed to developing strong programmers who can apply computational thinking skills to problems, explaining their thought process using key vocabulary.

Pride

- We are proud of the challenge we provide our students throughout our broad curriculum

- We are proud of our curriculum design, bespoke to strengthing the understanding of architecture, allowing for a clear picture to be formed of how the computer works.

- We are proud of the love and passion we have for computer science and how we develop and inspire this in our students.

- We are proud to produce students who understand how computer science shapes the world we live in, and have developed the skills needed to make a positive impact upon it.