



QPHS Computing/Computer Science Curriculum Intent

The Queen's Park High School Computing curriculum is designed to fulfil the schools core vision; 'Inspiring Individuals, Empowering Minds, Defining Futures.'

Inspiring Individuals

- We want to inspire students to excel in all areas of Computing, whether that be using **Information Technology** skills or **Computer Science** skills such as programming.
- The Computing curriculum aims to equip students to use **computational thinking** and **creativity** to understand and change the world.
- **Computing** helps students to understand the links between itself and mathematics, science, and design and technology, providing insights into both natural and artificial systems.

Empowering Minds

- The computing curriculum will enable all students to become digitally literate citizens – to be aware of and know how to use technology in every facet of their lives.
- It enables students to understand and apply the fundamental principles and concepts of computer science, including **abstraction, logic, algorithms** and **data representation** .
- Computing teaches the skills to **evaluate** and **apply** information technology, including new and unfamiliar technologies, analytically to solve problems.

Defining Futures

- Lessons in computing aim to continually develop students' skills in computational thinking and information technology, so that in the ever changing world of technology, they are given the necessary foundations to aid their future careers.
- The computing curriculum aims to create students who are responsible, competent, confident and creative users of information and communications technology.
- It aims to equip students with the key skills required to succeed in the world of work, by encouraging students to be **adaptable, resilient** and **good problem solvers**.