

Curriculum Big Ideas

Computing

- Algorithms form the basis of computer programs.
- High-level programming languages offer a similar set of commands: data types, data structures, iteration, selection, arithmetic operations, file-handling, subroutines and object-orientation.
- There are a range of presentation tools available to show the outcome of a project
- Computers are increasingly used for digital communications, from social media to collaborative working platforms to augmented reality.
- All data is represented by the binary alphabet number, text, images and sound.
- Computer systems consist of hardware and software.
- Networks are fundamental to the operation of computer systems.
- All everyday applications would not exist without Databases.
- Due to the digital world we live in, where computers play an ever-increasing role, software developers have significant power.
- The development of solutions follow a variation of the systems life cycle.