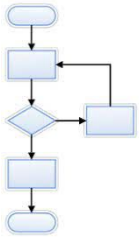
Kings Priory School

Key Stage 4 Computer Science Curriculum

YEAR 9

Use a systematic approach to problem solving and algorithm creation

Algorithms



Understand the architecture of how systems operate

Computer Systems

Understand how a computer stores and represents data

Data Representation

Python Beginner

Understand the structured approach to programming

Be able to design and write robust programs

Python Practical Project

Python Practical Project

YEAR 10

Be able to define the term cyber security and be able to describe the main purposes of cyber security.

Cyber Security

Explain the concept of a database.

Relational Databases and SQL

Define what a computer network is.

Computer Networks

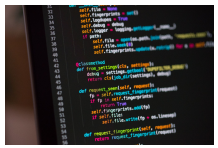
Understand the concept of subroutines.

Python Intermediate

Be able to design and write robust programs

Practical Python Project

Practical Python Project



YEAR 11

Explain the current ethical, legal and environmental impacts and risks of digital technology on society.

Ethics

Ethics

Exam Preparation

Retrieval Practice

Interleaved strands

Computer Science	Informational Technology	Digital Literacy	Online Safety