

KING'S LYNN ACADEMY

Systems Software

Operating system functions
Utilities and user interfaces
Translators: compiler vs interpreter

Impact of Technology

Data protection & copyright
Environmental impact
Legal and Cultural impact
Ethical responsibilities

Networks & Network Security

LAN, WAN, topologies
Routers, switches, IP, DNS
Threats: malware, phishing
Protection: encryption, firewalls



Memory and Storage

RAM vs ROM
Secondary storage types
Units
Speed, capacity, reliability

Systems Architecture

Von Neumann architecture
Fetch-Decode-Execute cycle
Factors CPU affecting performance

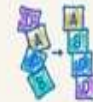
intel.



YEAR 10 DIAGNOSTIC

Algorithms

Decomposition & abstraction
Flowcharts & pseudocode
Searching & sorting
Trace tables



Programming fundamentals & IDEs

Sequence, selection, iteration
Variables, data types, operators
Functions, arrays, strings
Debugging with IDE tools



PAPER 2

PAPER 1

YEAR 11 MOCKS

YEAR 10 MOCKS

YEAR 11 DIAGNOSTIC



FINAL EXAM

Success in all we do!