

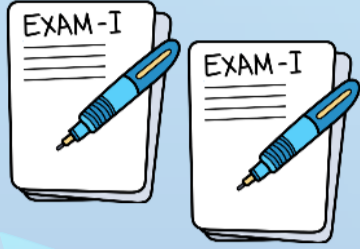


COMPUTER SCIENCE



Continue your lifelong love of learning and personal development

- Apprenticeship
- College
- University
- Workplace



Revision in preparation for external examinations.



Ethical, Legal and Environmental Impacts Pupils explore the impact of ICT on the wider world.



Fundamentals of Cyber Security Pupils learn how to stay safe online.

POST-16 PATHWAY

2 x 90 minute examinations worth 50% each.

Revise!

Exam Technique



Visit Bletchley Park



Non Examed Assessment Pupils complete a programming based project.

Fundamentals of Data Representation Including number bases, conversion and binary.

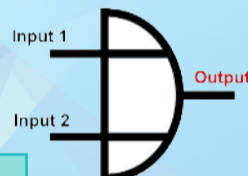


Computer Systems Pupils explore the systems architecture of a computer.



YEAR 11

Fundamentals of Computer Networks Comparing different network types.



Logic Gates

Exam Technique / Programming Practice

Binary Pupils learn to carry out simple operations in binary.



Problem Solving in Python Pupils use a programming language to solve a computational problem.

Programming Using the Python computing language.



YEAR 10

Fundamentals of Algorithms Pupils explore Decomposition, Abstraction, Flow Charts and Pseudo code.



CYBERSECURITY

Cyber Security Pupils learn the danger and how to stay safe online.



Computer Systems Pupils understand the hardware and software components that make up computer systems

Web Design Pupils undertake a creative project to create their own webpage.

YEAR 9

Hardware / Software Pupils understand the hardware and software components that make up computer systems.



Programming Pupils build upon their abstraction and decomposition skills.

Modelling Data Pupils learn the basic of spreadsheets including calculations.



Introduction to ICT Pupils receive training in the Microsoft Office software package.

Attend Year 6 transition days

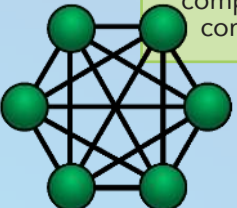
YEAR 8



Representation Pupils explore binary and Boolean logic.



Programming Pupils use Scratch animation to learn the basic of programming.



Networks Pupils learn how computers are connected.



MS Team Training Pupils learn to use MS teams effectively to support other subjects.



YEAR 7

WELCOME

PRIMARY SCHOOL

Apply for a place at Landau Academy