COMPUTER SCIENCE Learning Journey

EX UMBRIS
IN VERITATEM
"Together towards our Lord, through learning, love and faith"

Year 13

Section 12: Algorithm Project: Development

Revision

Project: Development

Section 9: Legal, moral, ethical and cultural issues
Section 11: Programming techniques

Year 12

Section 2: Software systems
Section 8: Boolean Algebra
Project: Analysis

Section 3: Software development
Section 7: Data Structures
Project: Design

Section 5: Network & web tech
Section 10: Computational Thinking

Section 1: Comp Components
Section 6: Data Types

Revision – exam papers

Revision – exam papers
Pro –programme practice

Section 2: Software systems
Section 4: Exchanging Data
Project: Analysis
Revision of Theory.
Programming -Records & files.

Section 5: Network & web tech
Section 7: Data Structures
Project: Design
Revision -Theory.
Pro –procedures & functions

Year 11

Year 10

Section 1 – Architecture
Section 6 – Pro – sequence & selection

Section 2 – Wired & wireless networks
Section 6 – pro- Iteration

Section 3 – System software & security
Section 6 – pro-Iteration

Revision
Section 5– pro– algorithms

Section 8– Data representation
Section 5 – pro-searching/sorting

Section 7 – Logic & languages
Section 6 – pro- Arrays

Theory – Ethical, legal issues
Programming –While - loop

Theory – Wired & wireless networks
Programming – Python – If statement

Theory – Wired & wireless networks
Programming – Python data types

Theory – Computer Architecture
Programming – Python basic

Theory – Computer Architecture
Programming – Python basic

Year 9

Theory – System software and security
Programming For - loop

Theory – Input, process & output
Programming - Python turtle graphics

Theory –Impact of ICT on society
Programming -Python programming

Theory – Impact of ICT on society
Programming - Python programming

Theory –Operating systems
Programming -Flowol

Year 8

Theory –E Safety & networks
Input, process & output
Programming -Python turtle graphics

Theory –Operating systems
Programming - Flowchart

Year 7

Theory – Copyright and legal issues
Programming – Introduction to HTML

Theory –Internet
Programming – Scratch programming

Theory Security on electronic devices. Programming – Scratch programming

Impact of technology
Word & PPT

Theory – computer hardware
Programming – micro:bit

ESafety & skills

SUBJECT AIM

Like good stewards of the manifold grace of God, serve one another with whatever gift each of you has received. **1 Peter 4:10**