Gaps would be filled based on the updates on learners plc's.

Learners will revise towards their final exams, , practise exams techniques

Revision

Final Exa

Learners will consolidate knowledge and understanding of data representation in computer systems

PLC



Learners will consolidate knowledge and understanding, by recapping on system and application software. Understand the need for, and functions of operating systems and utility programs.

Data representation

Computer Systems

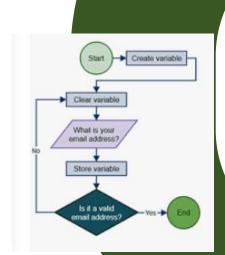
Learners will deepen understanding by recapping on computational constructs, methods and programming techniques.



Learners will develop understanding of programming techniques such as sequence, iteration, arrays, records and files

Fundamentals of Algorithms

Programming



Learners will develop understanding of subroutines, simple data validation and authentication routines in programming Summer 1 & 2

Learners will develop knowledge and understanding of the current ethical, legal and environmental impacts and risks of digital technology on society.

Structured Programming

Ethical, Legal & Environment Issues

Learners will develop knowledge and understanding of the main purposes of cyber security, threats, methods of detection and prevention

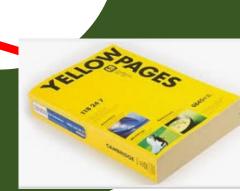


Learners will develop
knowledge and understanding of the
concept of entity, attribute, identifier in the
implementation of database models

Fundamentals of Cyber security



Databases & SQL



Learners will develop knowledge and understanding of encryption, hashing, networks and web technologies



Learners will develop knowledge and understanding the Von Neumann architecture, systems application and software, functions of operating systems and Boolean logic



01011

Spring

20

2

Fundamentals of networking

Computer Systems



Learners will develop understanding of how data is represented in computers.

Binary, decimal and hexadecimal conversions

Learners will develop understanding of how data is represented in computers. Focus on digital media such as images, sounds, and discover the binary digits that lie beneath these media.

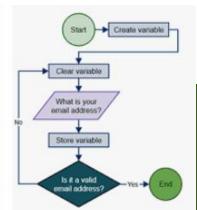


Data representation (Images & sounds)

Learners will develop understanding of programming techniques such as sequence, iteration, arrays, records and files

Learners will develop understanding of computational constructs, methods and programming techniques





Fundamentals of Algorithms



Autumn 1 & 2

ear 9