ICT KS3 Learning Journey

9.4: Python;
Searching, Linear & Binary Sorting
Bubble Sort, Merge
Text files
Array (1D & 2D)
Divide & Conquer

Assessment

9.5 and 9.6: Integrated Project:
Planning, Mind maps Gantt charts system life cycles
Researching, Designing
Implementing
Evaluating
Spreadsheets - Financial Models

9.3 Database relational:
Key fields
Entity relationship, Importing data from a text file and a spreadsheet,
Validation, Verification, Foreign key

9.2 Coding- Data representation:
Text, ASCII, Unicode
Sounds-audacity Analogue, Digital
Pictures , Metadata , Resolution, Compression

9.1 Bitmap editing:
Vector, Bitmap, File types ,
Compression, Resolution,
RGB, CMYK

9

8.4 Animation & Video editing:
File type
Frame rate
Transition

Assessment

8.5 Spreadsheets:
basic and advanced functions and formulae, Formatting,
What if modelling
VLOOKUP , Macros

8.6 Database Flat file:
Interrogation Data entry form Multiple criteria queries Data types
Simple queries , Data entry
Simple reports Mail merge (letter to businesses) DPA/GDPR

8.3 Python Chatbot:
(binary, logic, AND OR NOT, list)
Selection
Iteration
Sequence

8.2 Web Authoring:
(Dreamweaver)
E-Safety information, Reliability, Bias,
Legislation , Plagiarism, Ethical issues

8.1 HTML:
(notepad)
Creating website on "Future Careers"

8

7.4 Cryptology & Flowol:
Sequence
Shapes
Boolean operators

Assessment

7.5 Scratch :
Sequence-Block based programming

7.6: Introduction to text based programming:
(logo, turtle, Python)

7.3 Spreadsheets:
Basic and advanced functions and formulas
Representing data
Formatting

7.2 E safety:
Cyberbullying , Social media,
Netiquette , Digital footprint, Reporting concerns. Cryptology
To include;
Word, PowerPoint, Publisher.

7.1 Introduction:
 Passwords , Logon, Email,
Safe and effective searching, Plagiarism,
Copyright, Hardware, Computer systems, Sequence – Kodu - Block based programming.

7