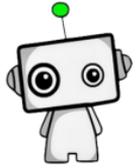


# Schemes of work

- 7.1 Getting Started
- 7.2 Digital Behaviours
- 7.3 Into the Future
- 7.4 Databases
- 7.5 Programming and Debugging

YEAR  
**8**  
KS3



## KS3 YEAR 7 COMPUTER SCIENCE - LEARNING JOURNEY



**7.5.7 Operators**  
To create different if statements using recalled operators to enhance efficiency.

**7.5.8 EIf Statements**  
Explain the uses of and EIf statement. Create and manipulate code to ensure no syntax errors using correct command words



**7.5.10 WIN feedback and Operator AND**  
To be able to use AND operator to meet different conditions.



**7.5.11 Development of your quiz**  
To plan and create your quiz using a variety of different concepts used within the scheme of work

**7.5.12 Completion of the game**  
To finish the creation of the game. To improve the game using constructive feedback from their peers and evaluate their own work



Microsoft+  
**Small Basic**



**7.3.6 WIN Feedback and Cryptocurrencies**  
Explain what is Cryptocurrencies? Explain the process of bitcoin? Explain how cryptocurrencies could change how we exchange products in our future?

**Databases**

**7.4.1 What is a Database?**  
Define field, table, record and database. Explain who uses a database and where they are used in society. Explain why computerised databases are used over paper based



**7.4.2 Data Types**  
Explain the difference between data and information. Identify a data type for the correct field

**7.4.3 Creating a table**  
What personal information makes us unique? Explain what a primary key is. Explain the advantages and disadvantages of completing a data collection in person

**7.4.4 WIN Assessment and Data Capture Form**  
What information do we give to companies? Identify issues businesses could face entering thousands of pieces of data



**7.4.5 WIN Feedback and Data Capture Form**  
Explain how formatting makes a difference.

**7.4.6 Queries**  
To explain the purpose of meeting conditions. To sort and filter different data according to scenarios

**Small Basic**



**7.3.5 WIN Assessment**  
**7.3.4 Artificial Intelligence**  
Explain what artificial intelligence is? Discuss the ethical complications of Artificial intelligence and how this can effect the future progression of the concept

**7.3.3 Biological Interfaces and Digital Health**  
How can technology improve the body? Explain how biometrics are incorporated in our everyday life and the implications these have

**7.3.2 Virtual Vs Augmented Reality**  
Explain the difference between the two technologies? Discuss the impact these technologies can have on the future?

**7.2.8 WIN Feedback and Social Engineering**  
To be able to identify examples of social engineering. To be able to explain the risks of social engineering

**7.2.6 Importance of Passwords**  
Explain the importance of protecting your information? Explain how a password can be easily guessed? Identify weak to strong passwords to recommend to customers

**7.2.4 Email Scams**  
Identify the different email scams people can be susceptible to? Explain how people can avoid being scammed? Identify the key information which indicates whether an email is reliable



**7.2.3 Cyber Crime**  
Explain what is Cyber Crime? Identify common computer crimes? Is stealing a computer a crime? What is phishing?

**7.2.2 Cyberbullying**  
Explain the difference between bullying, cyberbullying. Identify the 5 ways to combat cyberbullying. Explain the negative implications of cyberbullying.

**Into The Future**



**7.2.1 Maintaining a Balance**  
Discuss how much time you should spend online. Explain the problems people face when it comes to technology

**7.2.7 WIN Assessment and Revision**

**7.2.5 Hacking**  
Explain the term malware? Explain how to protect yourself from both? Identify key information about the computer misuse act

**7.2.2 Cyberbullying**  
Explain the difference between bullying, cyberbullying. Identify the 5 ways to combat cyberbullying. Explain the negative implications of cyberbullying.

**7.2.1 Maintaining a Balance**  
Discuss how much time you should spend online. Explain the problems people face when it comes to technology

**7.2.7 WIN Assessment and Revision**

**7.1.7 Microsoft PowerPoint**  
Finish off and present their presentations to the rest of the class. All About me

YEAR  
**7**  
KS3



**Start of Computer Science and Business at Co-op Academy Swinton**



**7.1.1 Introduction of the network and Folder Structure**  
Explore the network by discussing the difference between the home and public drive. Create a folder structure within the home

**7.1.2 Emailing**  
Explain what the purpose of emailing is. Be able to send, receive and forward emails with attachments. Include email etiquette within emails.

**7.1.3 Introduction to Microsoft Word**  
To manipulate documents using different Microsoft word tools such as formatting text and understanding the layout of professional

**7.1.4 Microsoft Word**  
Continue to manipulate document using different tools such as header and footer

**7.1.5 WIN Assessment and introduction to Microsoft PowerPoint**  
To be able to learn new formatting tools in PowerPoint.

**7.1.6 WIN Feedback Microsoft PowerPoint**  
Discover new tools in which increase engagement within a Presentation, using animation and transitions.



**Retrieval**

**Digital Behaviours**