



# **ST. MARY'S Catholic High School, Dubai**

**FINAL EXAMINATION PORTION- MAY/JUNE 2022**

**COMPUTER SCIENCE - YEAR 10**

## **Unit 1: Problem Solving**

**Chapter 1 – Understanding algorithms**

**Chapter 2 – Creating algorithms**

**Chapter 3 – Sorting and searching algorithms**

**Chapter 4 – Decomposition and abstraction**

## **Unit 2: Programming**

**Chapter 5 – Develop code**

**Chapter 6 – Making programs easy to read**

**Chapter 7 – Strings**

**Chapter 8 – Data structures**

**Chapter 9 – Input/Output**

## **Unit 3: Data**

**Chapter 12 – Binary**

**Chapter 13 – Data representation**

**Chapter 14 – Data storage and compression**

**Chapter 15 – Encryption**

## **Unit 4: Computers**

**Chapter 16 – Machines and computational models**

**Chapter 17 –Hardware**

**Chapter 18 – Logic**

**Chapter 19 – Software**

**Chapter 20 –Programming languages**

## **Unit 5: Communication and the Internet**

**Chapter 21 – Networks**

**Chapter 23 – The Internet and the World Wide Web**

**EDEXCEL INTERNATIONAL GCSE (9-1)**

**COMPUTER SCIENCE**

**Student Book (David Waller, Chris Charles, Pete Dring, Alex Hadwen-Bennett, Jason Welch, Shaun Whorton)**

**NOTE: REFER TEXTBOOK, POWERPOINT PRESENTATIONS AND ACTIVITIES  
POSTED IN GOOGLE CLASSROOM**