

Year 11 – March 2024 PPEs Computer Science

For the "Computer Systems" paper (J277/01):

1. **1.1 Systems Architecture:** CPU components and their functions.
2. **1.2 Memory and Storage:** Differences between RAM and ROM, types of secondary storage.
3. **1.3 Computer Networks, Connections and Protocols:** Network features, performance factors, and protocols.
4. **1.4 Network Security:** Data security methods and legislation.
5. **1.6 Ethical, Legal, Cultural and Environmental Impacts of Digital Technology:** Issues related to AI in social networking.

For the "Computational Thinking, Algorithms and Programming" paper (J277/02):

1. **2.1 Algorithms:** Writing pseudocode, understanding algorithms.
2. **2.2 Programming Fundamentals:** Programming logic, Boolean logic.
3. **2.3 Producing Robust Programs:** Designing algorithms for real-world scenarios.
4. **2.4 Boolean Logic:** Application in scenarios, logic gates, truth tables.
5. **2.5 Programming Languages and IDEs:** High-level programming languages and translators.