

Computer Science: Computer Science

Develop algorithms as solutions to problems while discovering the importance of understanding problems in order to develop efficient step-by-step solutions. **CS1**

- a** the importance of understanding problems in order to develop efficient step-by-step solutions.

Explore the reasons for using computers to execute problem solutions **CS2**

- 2.** Explore the reasons for using computers to execute problem solutions **CS2**

Translate algorithms to a language computers can understand. **CS3**

- 3.** Translate algorithms to a language computers can understand. **CS3**

Explore: **CS4**

- a.** various major data manipulation used by computers
- b** processing structures used by computers

Explore and utilize structures as to design algorithms to solve problems. **CS5**

- 5.** Explore and utilize structures as to design algorithms to solve problems. **CS5**

Apply computer architecture including using a Raspberry Pi platform to learn how computer hardware provides a powerful platform on which to run software. **CS6**

- a** using a Raspberry Pi platform to learn how computer hardware provides a powerful platform on which to run software.