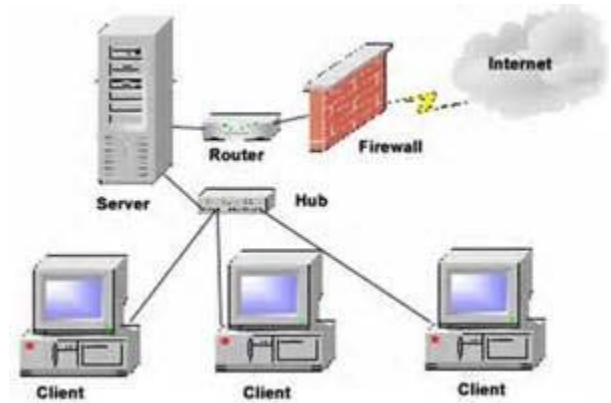




## COMPUTER TECHNOLOGY:

### Computer Works 10, 20, 30: Networking



#### Computer Works 10: Networking (5 Credits) No Prerequisite

Do you presently own a laptop, smartphone, tablet or desktop computer? Are you thinking of buying one in the future? Do you want to make repairs and upgrades to your present computer? Are you interested in networking computers and setting up your own home network? Are you interested in building your own computer? Are you interested in repairing Smartphones? If yes, then Computer Works is a course you should be considering. It provides you with knowledge and skills in computer care, networking, operating systems, maintenance and repair. Students may also set up the Raspberry PI computer complete with an operating system. This course will consist of both a theory and practical component.

These are the 5 course credits that will be offered:

- Network Structures
- Laptops & Peripherals
- Workstation Technology & Operations
- Network Media & Devices, Security
- Net Project A
- Network Media & Devices

At the end of the course, students have the option of taking their CompTIA A+ Exams to be industry certified. These tests can be written at Bev Facey as our school has become a Pearson Vue certified testing center.

#### Computer Works 20: Networking (5 Credits) Prerequisite: Computer Works 10: Networking

Welcome to the CCNA R&S - Network Basics. The goal of this course is to introduce you to fundamental networking concepts and technologies. This course provides a hands-on introduction to networking and the Internet using tools and hardware commonly found in the home and small business environment. These online materials will assist you in developing the skills necessary to plan and implement

small networks across a range of applications. This course prepares you with the skills needed to obtain entry-level Home Network Installer jobs. It also prepares you for some of the skills needed for Network Technician, Computer Technician, Cable Installer, and Help Desk Technician jobs.

These are the course credits that will be offered in Computer Works 20: Networking, this course CCNA R&S – Network Basics is part of the Cisco Training Academy:

- Open System Interconnection
- Network Protocols
- Local Area Networks
- NET Project B
- NET Project C
- Telecommunications 1

### **Computer Works 30: Networking (5 Credits)**

**Prerequisite: Computer Works 20: Networking**

Welcome to the preparation course for the CompTIA Network + certification and Cisco CCNA – Routing and Switching Essentials. This preparation will be completed through the Network+ training and our Cisco Academy courses (CCNA Routing and Switching Essentials). The course will follow the 5 Domain areas of Networking as well as the fundamentals of Routing. These 5 areas include:

Network Technologies, Network Installation and Configuration, Network Media and Topologies, Network Management and Network Security. Students extend their knowledge of wide area networks (WANs) by examining the process used to route information through an internetwork. They examine the major functions and components of a router, develop knowledge of common routing protocols and gain practical experience in basic router configuration.

The course credits offered will be:

- Network Operating Systems
- Wide Area Networks
- Routing Fundamentals
- Internet Processes
- Network Management
- NET Project D

CompTIA Network+ certification - The exam covers network technologies, installation and configuration, media and topologies, management, and security. Candidate job roles include network administrator, network technician, network installer, help desk technician and IT cable installer. At the end of the course, students have the option of taking their CompTIA Network+ Exams or Cisco CCNA to be industry certified. These tests can be written right at Bev Facey as our school is a Pearson Vue certified testing center.