

CFISD Internetworking Technologies II

Scope and Sequence

Endorsement: STEM or Business and Industry

Cluster: Information Technology

Meets advanced course requirement? YES

Program of Study: Networking Systems or Cybersecurity

Meets foundation requirement for math, science, fine arts, English, LOTE? NO

Course Description:

Internetworking Technologies II prepares students to install, operate and troubleshoot a medium-sized business enterprise branch network. Completing both Internetworking Technologies, I and II prepares students to pass the CompTIA Network + and CCNA exams, as both are industry-recognized certifications in this field. The goal for providing this training and Industrial recognized certification is to assist students in becoming more marketable and desirable in the workplace.

TEKS

- 1 credit
- Grades 9-12
- Lab supplies or fee may be required
- Required prerequisites: *Internetwork Tech I*
- Recommended prerequisites:

Industry Certification/Credential: *CompTIA Network+*
TEA recognized IBC (to count toward program of study completion)? YES

Instructional Units	Grading Period
Network Topologies Supporting Cabling and Physical Installations Configuring Interfaces and Switches Configuring Network Addressing Configuring Routing and Advanced Switching	N1 (fall)
Implementing Network Services Application Services Supporting Network Management Network Security Concepts	N2 (fall)
Network Security Features Network Security Design Wireless Networks	N3 (spring)
Remote Access Methods Cloud Concepts Certification Prep	N4 (spring)

Primary Instructional Materials: N/A

Supplemental Materials: Cisco / CompTIA Materials