



Information Technology

Principles of Information Technology

TSDS PEIMS Code: 13027200 (PRINIT)

Grade Placement: 9–10

Credit: 1

Prerequisites: None

In Principles of Information Technology, students will develop computer literacy skills to adapt to emerging technologies used in the global marketplace. Students will implement personal and interpersonal skills to prepare for a rapidly evolving workplace environment. Students will enhance reading, writing, computing, communication, and reasoning skills and apply them to the information technology environment.

Networking

TSDS PEIMS Code: 13027400 (NETWRK)

Grade Placement: 10–12

Credit: 1

Prerequisite: None.

Recommended Prerequisites: Principles of Information Technology, Computer Maintenance, and Computer Maintenance Lab.

Recommended Corequisite: Networking Lab.

In Networking, students will develop knowledge of the concepts and skills related to data networking technologies and practices to apply them to personal or career development. To prepare for success, students will have opportunities to reinforce, apply, and transfer knowledge and skills to a variety of settings and problems.

Networking/Networking Lab

TSDS PEIMS Code: 13027410 (NETWRLAB)

Grade Placement: 10–12

Credit: 2

Prerequisite: None.

Recommended Prerequisites: Principles of Information Technology, Computer Maintenance, and Computer Maintenance Lab.

Corequisite: Networking.

In Networking Lab, students will develop knowledge of the concepts and skills related to telecommunications and data networking technologies and practices to apply them to personal or career development. To prepare for success, students must have opportunities to reinforce, apply, and transfer knowledge and skills to a variety of settings and problems. This course must be taken concurrently with Networking and may not be taken as a stand-alone course. Districts are encouraged to offer this course in a consecutive block with Networking to allow students sufficient time to master the content of both courses.

Computer Technician Practicum

TSDS PEIMS Code: 13027500 (First Time Taken) (COMPT1)

13027510 (Second Time Taken) (COMPT2)

Grade Placement: 10–12

Credit: 2

Prerequisite: None.

Recommended Prerequisites: Principles of Information Technologies, Computer Maintenance, Computer Maintenance Lab, Networking, and Networking Lab.

In the Computer Technician Practicum, students will gain knowledge and skills in computer technologies, including advanced knowledge of electrical and electronic theory, computer principles, and components related to the installation, diagnosis, service, and repair of computer based technology systems. Students will reinforce, apply, and transfer their knowledge and skills to a variety of settings and problems. Proper use of analytical skills and application of IT concepts and standards are essential to prepare students for success in a technology-driven society. Critical thinking, IT experience, and product development may be conducted in a classroom setting with an instructor, with an industry mentor, or both.