NETWORKING & COMPUTER MAINTENANCE

FBISD JAMES REESE CAREER & TECHNICAL CENTER

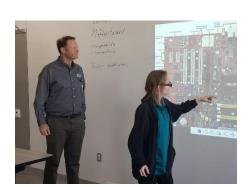**Why Reese Center Networking and Computer Maintenance?**

- Program combines theory knowledge and hands-on experiences with a focus on employability skills and career readiness
- Students build a computer from parts and troubleshoot it, learning appropriate tools and safety in a lab space
- Students implement a defined network architecture with basic network devices using appropriate tools
- Industry certification opportunities: CompTIA IT Fundamentals, CompTIA A+ and CompTIA Network+

FBISD **CTE** Career & Technical Education

	INFORMATION TECHNOLOGY PROGRAM			
	Networking Systems Pathway			
#	**Course**	**Course #**	**Grade**	**Location**
1	**Principles of Information Technology** *Prerequisite: Concurrent enrollment in Computer Maintenance + Lab*	1.0	10-12	**Reese Center***
1	**Computer Maintenance + Lab** *Prerequisite: Concurrent enrollment in Principles of Information Technology*	2.0	10-12	**Reese Center***
2	**Networking + Lab** (Advanced CTE Course) *Prerequisite: Computer Maintenance + Lab*	2.0	11-12	**Reese Center***

* Student must apply, be accepted, and commit to the Networking and Computer Maintenance program in order to take courses at Reese Center.

In **Principles of Information Technology,** students will develop computer literacy skills to adapt to emerging technologies used in the global marketplace. Students will enhance, reading, writing, computing, communication, and reasoning skills and apply them to the information technology environment.

In **Computer Maintenance + Lab**, students learn to install, configure, upgrade, and perform computer maintenance with respect to security using appropriate tools. Students acquire practical knowledge of system setup, diagnostic procedures, and troubleshooting techniques.

In **Networking + Lab**, students gain a better understanding of telecommunications and data networking technologies. Students actively participate in learning types of configurations and upgrading, recognizing the many network components, and developing and implementing a network design plan.