***A picture containing text, clock

Description automatically generated***

This project was supported by the Cybersecurity and IT Pathways grant from the Florida Department of Education through Cyber Florida, project number 291-1231C-2C001, funding authority 84.425C-D CRRSA ACT ESSER II 84.425D & GEER II 84.425C, FAIN#: S425C210052. More information at cyberflorida.org/pathways/

**Terms and Definitions**

Chapter 15 Computer Networks

The Chapter Terms and Definitions was written for the Florida Public School System DIGITAL INFORMATION TECHNOLOGY (8207310) course. Funded by the Cyber/IT Pathways Program, Cyber Florida, and the Florida Department of Education.

# Chapter 15 Computer Networks

| **Term** | **Definition** |
| --- | --- |
| Encryption | The use of an algorithm to scramble data into a secret encoded message that can only be unlocked with a unique and guarded key |
| Hypertext Transfer Protocol (HTTP) | Internet protocol used by the world wide web which standardizes how documents such as web pages are transferred across systems |
| Interface | Networking term that describes the interconnection between a computing device, such as a laptop or smartphone, to a network |
| Internet | Interconnection of individual computers across the world through an interconnection of networks using a standardized set of communication protocols |
| Internet Protocol (IP) | Network layer protocol responsible for routing packets across interconnected networks |
| Media Access Control (MAC) address | Commonly known as a physical address; a unique identifier consisting of numbers and letters assigned to network interface hardware and used as the identity of a network address |
| Open Standards Interconnection (OSI) Model | Conceptual stack of technologies which could be used to describe the various functions of a networked system |
| Packet | Small segment of a larger piece of data sent over a network |
| Refraction | Phenomenon seen by the physics of light when it is deflected and changes direction as the light travels between one medium and another or through a medium of variable density. This phenomenon is used within fiber optic cable to move a laser light through the medium across great distances. |
| Transmission Control Protocol (TCP) | Reliable Transport layer protocol that enables applications to exchange data over a network |
| World Wide Web | Information system designed to display content in the form of documents, such as web pages, which are stored on computers across the world |