

Please note: These objectives may include, but are not limited to, the following topics.

Browsers

Internet vs. Browsers vs. WWW: Concepts about each, differences between each, uses of each

Navigation: Domains, hyperlinks, home page, back, forward, refresh, favorites/bookmarks, plugins, history, search, tabs, downloading/uploading

Networking Concepts

Internet Connection: Speed, wired, wireless, security, network types and features, capabilities, publicly switched networks, DNS, addressing, LAN vs. WAN, VPN

Network troubleshooting: Solve simple scenarios, identify common problems, define IP addressing

Digital Communication

E-mail communication: E-mail account settings, appropriate use of e-mail, managing e-mail communications

Real-Time communication: Text communication, audio visual communication, telepresence

Digital Citizenship

Communication standards: Spelling, all capitals vs. standard capitalization, verbal vs. written, professional vs. personal communication, spamming, flaming, bullying, libel, slander

Legal and responsible use of computers: Censorship, filtering, intellectual property, piracy, copyright use, licensing, creative commons

Safe Computing

Secure online communication or activity: Identity Protection, data protection, ergonomics, computer positioning, input device use, chairs, lighting, body posture

Research Fluency

Using Search Engines: Acquire knowledge, solve problems, evaluate search results, forums, ads, sponsored links, knowledge bases, validity of sources, articles

Using advanced features of search engines: Search types