

# Digital Literacy Primer

## Course outline

**Main Idea:** empower staff to counsel patrons in matters pertaining to their privacy online.

### Material Outline:

*Introduction: from boot to cypher (20 mins)*

**What's a computer anyway?** hardware, firmware, software

**Information:** the stuff of the universe

**Privacy:** Intersection of Availability, Confidentiality, Authenticity and Integrity

**Activity:** Sending a private message challenge

**Introduction to Cryptography:** what is public key cryptography?

*Pragmatic Concepts: threats to your digital self (45 mins)*

**How the internet works:** servers, URLs, IPs oh my

**SSL:** the web's safety blanket

**Basics:** passwords, emails and malware

**Preventative Medicine:** what you can do to stay safe from:

**Viruses:** demystified

**Hackers:** who what where how and why!

**Top 5:** Backup, firewall, update, anti-virus and education

**Web Browsers:** ins and outs of the modern oculus

**Handling Problems:** what to do when it all goes wrong

*Questions and participant lead session (20-30 min)*

## Recommended Reading:

- [Librarians vs NSA article](#) [thenation.com]
- [Apple vs the FBI](#) [wired.com]
- [The Hacker who played the FBI](#) [wired.com]
- [New Hampshire Library and their Tor Exit Node](#) [Slate.com]
- [Governments and Hacking](#) [Wired article on Stuxnet]
- Computer Security Literacy: Staying Safe in a Digital World [Douglas Jacobson and Joseph Idziorek](005.8JAC)  
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