

Module 2: Internet Smart

Use this list of Vocabulary Terms and Guided Questions to help you take notes as you complete your lessons. Your notes may be used during quizzes, tests, DBAs, and the final exam. Print or download as a Word Document to write or type your notes.

- **BEFORE reading:** READ the vocabulary terms and guided questions. THINK about what you already know, then PREDICT the meaning of each term and the answers for each question.
- **DURING reading:** WRITE keywords to help you answer the vocabulary and answer the questions.
- **AFTER reading:** REREAD your notes to make sure you understand what you wrote. If necessary, REVIEW the lesson. Record any questions that you may have.

Tips/Guidelines

- Take enough notes to help you remember what you've learned but be selective (not too wordy). Use keywords, synonyms, abbreviations, and paraphrasing to define vocabulary, answer guided questions, and summarize information.
- Pay special attention to headings, print color and bold, italicized, or underlined print, as well as graphics (charts, tables, and diagrams).
- Include numbering, bulleted lists, drawings, diagrams, or tables as needed for organization and clarification.

2.01 History of the Internet

2.02 Upper Row R and U

Vocabulary Terms

Internet
digital native
e-commerce

Guided Questions

- What is the internet?
- What is a digital native?
- What are some expert predictions for the future of the internet?
- Why was the internet originally created?
- What are some important dates and events in the history of the internet?
- How do you use proper keyboarding techniques to type the R and U keys?
- Which fingers are used to type the R and U keys?

Note: The notes for 2.01 and 2.02 have been completed for you. Please, review these for reference and to prepare for the final exam.

Vocabulary

- Internet: global communication network; allows computers worldwide to connect and exchange information
- Digital native: a person familiar with the internet and computers from an early age
- e-commerce: shopping over the internet
- Expert Predictions for the Internet: Faster; No Connection Required

History of Internet: Internet was first a military tool in case of emergency or war

- 1958: Creation of Advanced Research Projects Agency (ARPA) financed by US president Eisenhower.
- 1963: The Defense Advanced Research Projects Agency (DARPA) group, sets up a small computer network called Advanced Research Projects Agency Network (ARPANET).
- 1970: ARPANET becomes the internet.
- 1972: The first email program is written.
- 1989: Tim Berners-Lee creates the World Wide Web.
- 1994: White House launches www.whitehouse.gov.
- 1995: Dial-up connections in the home (CompuServe and America Online)
- 1999: e-commerce begins
- 2002: More than half of the population of the United States is using the internet.
- 2003: Apple releases iTunes for buying digital music over the internet.
- 2005: YouTube appears for the first time.
- 2008: Facebook and social media become popular and widespread.
- 2010: Instagram and Pinterest are launched.
- 2012: More than two billion people use the internet daily around the world.
- 2016: Google assistant is launched.
- 2019: More than 4 billion, or 56% of the global population, actively access the internet.

R and U keys are upper keys: reach your fingers up to the row above the home row to type these keys. Use index fingers to type; Start on home row; Thumbs hover over spacebar.

To get started, check your workstation and make sure you're using the correct ergonomics.

2.03 Internet Ethics

2.04 Upper Row E and I

Vocabulary Terms

scam	computer virus
hackers	copyright
identity theft	unethical
anti-virus software	ethical
netiquette	public domain
password	Creative Commons
passphrase	common knowledge

upper reach keys middle fingers home row
 thumbs workstation space bar
 ergonomics

Guided Questions

- Why is it important to stay safe and protected while on the internet?
- What is hacking? identity theft? scamming?
- How can you follow these internet safety tips and how do these tips protect you?
 - Use anti-virus software
 - Create strong passwords
 - Keep personal information private
 - Practice safe browsing
- What is the difference between a password and a passphrase?
- How should you safely handle pop-ups in emails and when browsing on the internet?
- How do you identify online communication that may be unsafe?
- What is netiquette and when should you use it?
- What are five key things to consider so that you can interact using proper netiquette? Why are these important?
- How can you respect the privacy rights of others?
- What is copyright law and why is it important?
- What are some examples of original work protected by copyright law?
- What are the rules you should follow to abide by copyright laws?
- What are some ways that you can ethically use information found online?
- What is important to know about using the following type of copyrighted information found online?
 - Copyright / copyright symbol ©
 - Public Domain
 - Creative Commons
 - Common Knowledge
- How do you use proper keyboarding techniques to type the E and I keys?
- Which fingers are used to type the **E** and **I** keys?

2.05 How the Internet Works

Vocabulary Terms

internet web browsers
 modem
 World Wide Web (WWW)
 router
 Wi-Fi
 internet service provider (ISP)
 uniform resource locator (URL)
 Domain Name System (DNS)
 internet protocol (IP) address

Guided Questions

- What is the internet?
- What is the World Wide Web (WWW)?
- What is the difference between the internet and the World Wide Web?
- What is the purpose of each component needed to connect to the internet?
 - modem
 - internet service provider (ISP)
 - router
 - Wi-Fi
- What is a web browser and what are some examples?
- How do you access a website?
- What is a URL?
- What are the parts of a URL?
- When accessing a website, what happens in each step of the process?
 - Input:
 - Translate:
 - Locate:
 - Send:
- What are the meanings of different domain name extensions of a website in the URL?
 .com; .net; .edu; .org; .gov; .mil

2.06 Upper Row W and O

Vocabulary Terms

upper reach keys ring finger home row thumbs
 workstation space bar ergonomics

Guided Questions

- How do you use proper keyboarding techniques to type the W and O keys?
- Which fingers are used to type the W and O keys?

2.07 Keywords Are Key

Vocabulary Terms

search engine keyword bookmark

Guided Questions

- What is a search engine?
- What are examples of popular search engines?
- Why are search engines helpful?
- Why is it important to use specific and relevant keywords when searching for a topic in a search engine?
- What tips should you follow when using keywords to search a topic on the internet?
- How can you filter search results for different types of information?
- Why might it be helpful to use different search engines when searching for information on the internet?
- What are bookmarks and why are they helpful?
- What are the steps for bookmarking a webpage?

2.08 Upper Row Q and P

Vocabulary Terms

upper reach keys pinky fingers home row
thumbs
workstation space bar ergonomics

Guided Questions

- How do you use proper keyboarding techniques to type the Q and P keys?
- Which fingers are used to type the Q and P keys?

2.09 Reliable Websites

2.10 Upper Row T and Y

Vocabulary Terms

websites	valid	reliable
biased		
upper reach keys	home row	workstation
thumbs	ergonomics	space bar
index fingers		

Guided Questions

- What is a website?
- What are the characteristics of valid and reliable websites?
- What questions can you ask to determine if information on a website is reliable and valid?
- Why is it important for you, the user, to determine the validity and reliability of a web site?
- What does it mean to be biased?
- What are the characteristics of valid and reliable websites?
- What are the 5 Ws and how can you use them?
- Why is Wikipedia not a reliable and valid website?
- How can Wikipedia be helpful when conducting research?
- How do you use proper keyboarding techniques to type the T and Y keys?
- Which fingers are used to type the T and Y keys?

2.11 Upper Row Review

Review Questions

- What is the history of the internet?
- How do you avoid scams and identity theft from hackers?
- How do you use proper netiquette?
- What is the difference between the internet and the World Wide Web?
- What internet components are used to access and search the internet?
- How do we check to see if a website is reliable?
- How do we honor the copyright of anything we use from the internet?
- Which fingers are used to type the upper row reach keys?

Left Hand Fingers	Keys	Keys	Right Hand Fingers
pinky			pinky
ring			ring
middle			middle
index			index
thumb			thumb