



STUDENT'S NAME: _____

LEVEL: _____

DATE: _____

WORKSHEET 2
FACES OF THE INTERNET
INTERNET SECURITY

The history of hacking – Part 1

- 1971 – John Draper discovered that a whistle offered in boxes of Cap'n Crunch breakfast cereal perfectly generated the 2,600Hz signal used by the AT&T phone company. He started to make free calls. He was arrested in 1972 but wasn't sent to prison.
- 1974 – Kevin Mitnick, a legend among hackers, began hacking into banking networks and altering the credit reports of his enemies. He didn't expect that his most famous exploit – hacking into the North American Defense Command in Colorado Springs – would inspire the film *War Games* in 1983.
- 1981 – Ian Murphy, a 23-year-old known as *Captain Zap* on the networks, hacked into the White House and the Pentagon.
- 1987 – The IBM international network was paralysed by a hacker's Christmas message.
- 1988 – The Union Bank of Switzerland almost lost £32 million to hackers. Nicholas Whitely was arrested in connection with virus spreading.
- 1989 – A fifteen-year-old hacker cracked the US defence computer.
- 1991 – Kevin Poulsen, known as *Dark Dante* on the networks, was accused of stealing military files.

Activity 1: True or False

1. John Draper discovered that a whistle in Cap'n Crunch cereal boxes could generate a signal used by the AT&T phone company.

2. Kevin Mitnick started hacking into banking networks and credit reports in 1971. _____
3. The hacking exploits of Kevin Mitnick inspired the 1983 film *War Games*. _____
4. Ian Murphy, also known as Captain Zap, hacked into the White House and the Pentagon in 1987. _____
5. The IBM international network was paralyzed by a hacker's Christmas message in 1987. _____
6. The Union Bank of Switzerland almost lost £32 million to hackers in 1988. _____

7. A fifteen-year-old hacker cracked a US defense computer in 1989. _____
8. In 1991, Kevin Poulsen, also known as Dark Dante, was accused of hacking into the Union Bank of Switzerland.

1969 – The US Defense Department establishes ARPANET, a network connecting research centres.
1971 – Ray Tomlinson of BBN invents an email program to send messages across a network. The @ sign is chosen for its *at* meaning.
1981 – IBM sells the first IBM PC. BITNET provides email and file transfers to universities.
1982 – TCP/IP is adopted as the standard language of the Internet.
1988 – Jarkko Oikarinen develops the system known as Internet Relay Chat (IRC).
1991 – CERN (*Conseil Européen pour la Recherche Nucléaire*) creates the World Wide Web.
1998 – The Internet 2 network is born. It can handle data and video at high speed but is not a public network.
1999 – Online banking, e-commerce and MP3 music become popular.
2001 – Napster, whose software allows users to share downloaded music, maintains that it does not perpetrate or encourage music piracy. However, a judge rules that Napster's technology is an infringement of music copyright.
2004 – Network Solutions begins offering 100-year domain registration.
2006 – Americans spend over \$100 billion shopping online.

Activity 2: Read the following questions and select the correct answer.

1. In which year was the ARPANET, a network connecting research centers, established? _____
- ☐ A) 1971
 - ☐ B) 1981
 - ☐ C) 1969
 - ☐ D) 1982
2. Who invented the email program and chose the @ sign for its meaning? _____
- ☐ A) IBM
 - ☐ B) Ray Tomlinson
 - ☐ C) Jarkko Oikarinen
 - ☐ D) CERN
3. Which company sold the first IBM PC in 1981? _____
- ☐ A) Network Solutions
 - ☐ B) IBM
 - ☐ C) Napster
 - ☐ D) BBN

4. What technology was developed in 1988 by Jarkko Oikarinen? _____
- ☐ A) TCP/IP
 - ☐ B) World Wide Web
 - ☐ C) Internet Relay Chat (IRC)
 - ☐ D) Online banking
5. Which organization created the World Wide Web in 1991? _____
- ☐ A) Napster
 - ☐ B) IBM
 - ☐ C) Network Solutions
 - ☐ D) CERN
6. In which year did online banking, e-commerce, and MP3 music become popular? _____
- ☐ A) 2001
 - ☐ B) 1999
 - ☐ C) 1998
 - ☐ D) 2006
7. What was significant about Napster's software in 2001? _____
- ☐ A) It allowed users to send emails.
 - ☐ B) It enabled users to download and share music.
 - ☐ C) It introduced online shopping.
 - ☐ D) It was the first to offer 100-year domain registration.
8. What did Network Solutions begin offering in 2004? _____
- ☐ A) Online banking
 - ☐ B) A 100-year domain registration
 - ☐ C) Music sharing services
 - ☐ D) The Internet 2 network
9. By 2006, how much did Americans spend on online shopping? _____
- ☐ A) Over \$50 billion
 - ☐ B) Over \$1 trillion
 - ☐ C) Over \$500 billion
 - ☐ D) Over \$100 billion