



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 Whately 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