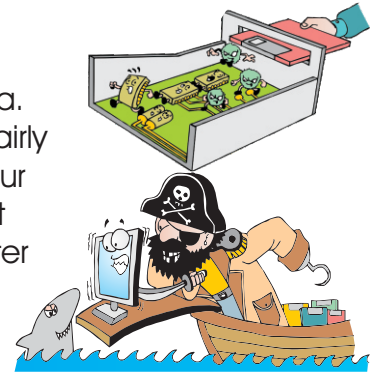


# Computer Crime

## Lesson 9

### Viruses

**Viruses** are programs, which are written deliberately to damage data. They can hide themselves in a computer system. Some viruses are fairly harmless. Others have more serious effects. They can wipe out all your data or turn it into gobbledygook. Once a virus is in your computer, it can infect your disks. If you lend them to someone or if your computer is part of a network, the virus will spread. The best way to combat a virus is to install an anti-virus software, which makes computers safe for many types of viruses.



### Examples of Viruses

#### Maltese Amoeba

The Maltese Amoeba may sound like a funny cartoon character, but once it attacks your computer, you wouldn't be laughing. The Maltese Amoeba is a computer virus. It is a form of software, which can "infect" your system and destroy your data. Making computer viruses is only one type of computer crimes. Others include hacking (changing data in a computer without permission) and pirating (illegally copying software program).



#### Michelangelo Virus

The Michelangelo virus was programmed to become active on March 6, 1992, the 517th birthday of the Italian painter Michelangelo. It attacked computer systems throughout the world, turning data on hard disks into nonsense.

#### Gulf Virus

A US magazine claimed that a computer virus was used by the US against Iraq during the Gulf War in 1992.

It suggested that US spy had put an infected chip into a printer that Iraqis had bought. The chip was designed to muddle the mainframe computer in Iraq's military control center.

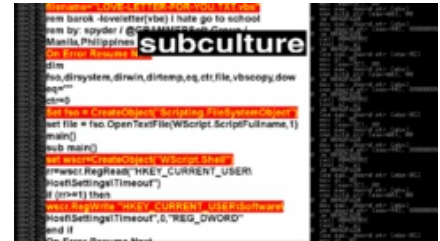


## Cascade virus

When the Cascade virus attacks, all the letters in a file fall into a heap at the bottom of the screen. This looks spectacular, but it's hard to see the funny side when it is your document.

## I LOVE YOU virus

ILOVEYOU or LOVELETTER is a computer worm that successfully attacked ten millions of computer Windows in 2000 when it was sent as an attachment to an email message with the text "ILOVEYOU" in the subject line. The worm arrived in email inboxes on and after May 5, 2000, with the simple subject of "ILOVEYOU" and an attachment of "LOVE-LETTER-FOR-YOU.TXT.vbs". The final 'vbs' extension was hidden by default, leading unsuspecting users to think it was a mere text file. Upon opening the attachment, the worm sent a copy of itself to everyone in the Windows Address Book and with the user's sender address. It also made a number of malicious changes to the user's system.



## Computer Hacking

### Hacked off

Criminals who get into computer systems without permission are called hackers. Using telephone lines, hackers link up their own computers to networks, so they can call up private files. By changing information in the files, they can steal money and goods without being caught. For example, a file may record that 10 bicycles were sold on Tuesday. By changing it to 11, the hacker can steal one, and no one will know that it is missing.

Modern spying relies heavily on hacking, because top secret of the government records are often kept on computer. It's more important for today's spy to be a master of mainframes than to be a master of disguises.

Governments often scramble secret information in a computer, so even if someone could hack into it they wouldn't be able to read it. Modern computers can develop incredibly complex codes which would take a human years to unscramble. The data can be read only using a special decoding program.

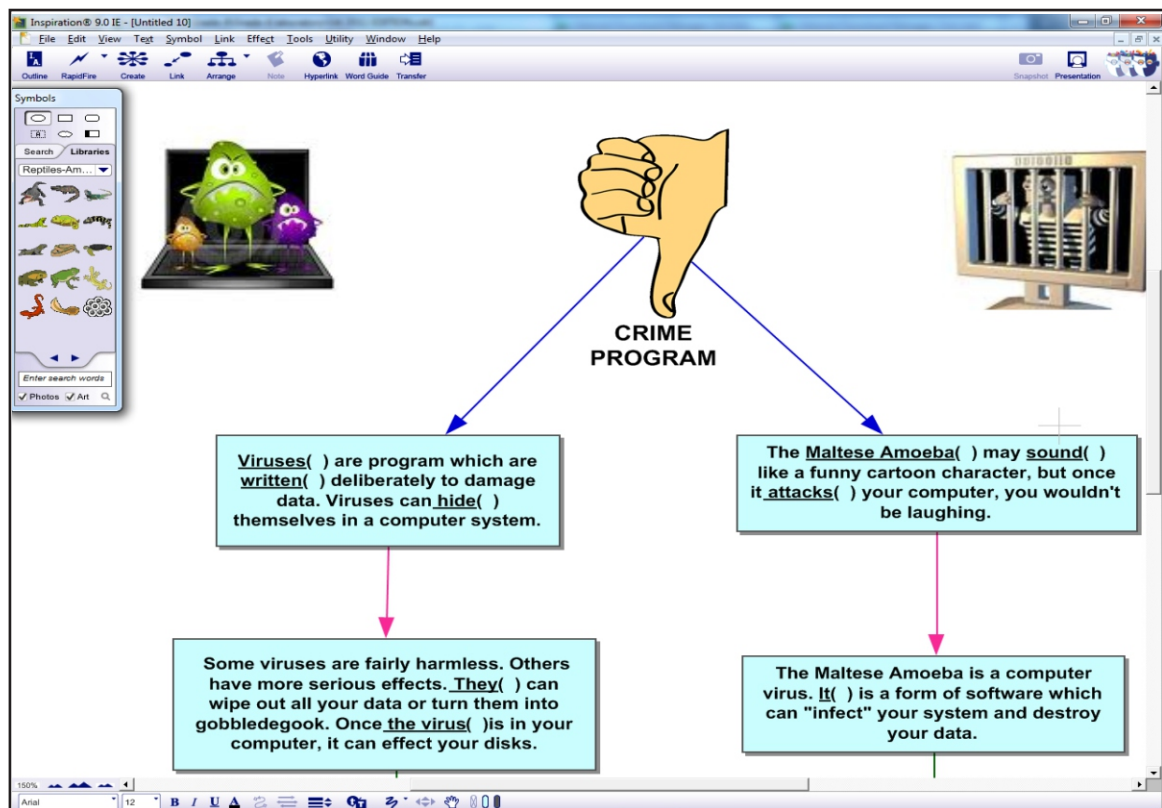


### Activity 25

Directions:

1. Launch Inspiration.
2. Open and answer Lesson 9 Activity **25 Crime Program**.
3. Identify each underlined word, whether it is a subject or a verb. Type S inside the parentheses after the word if it is a subject and V if it is a verb.

Preview:



4. Save the activity as **Crime Program**.

# The Viruses

## Lesson 9

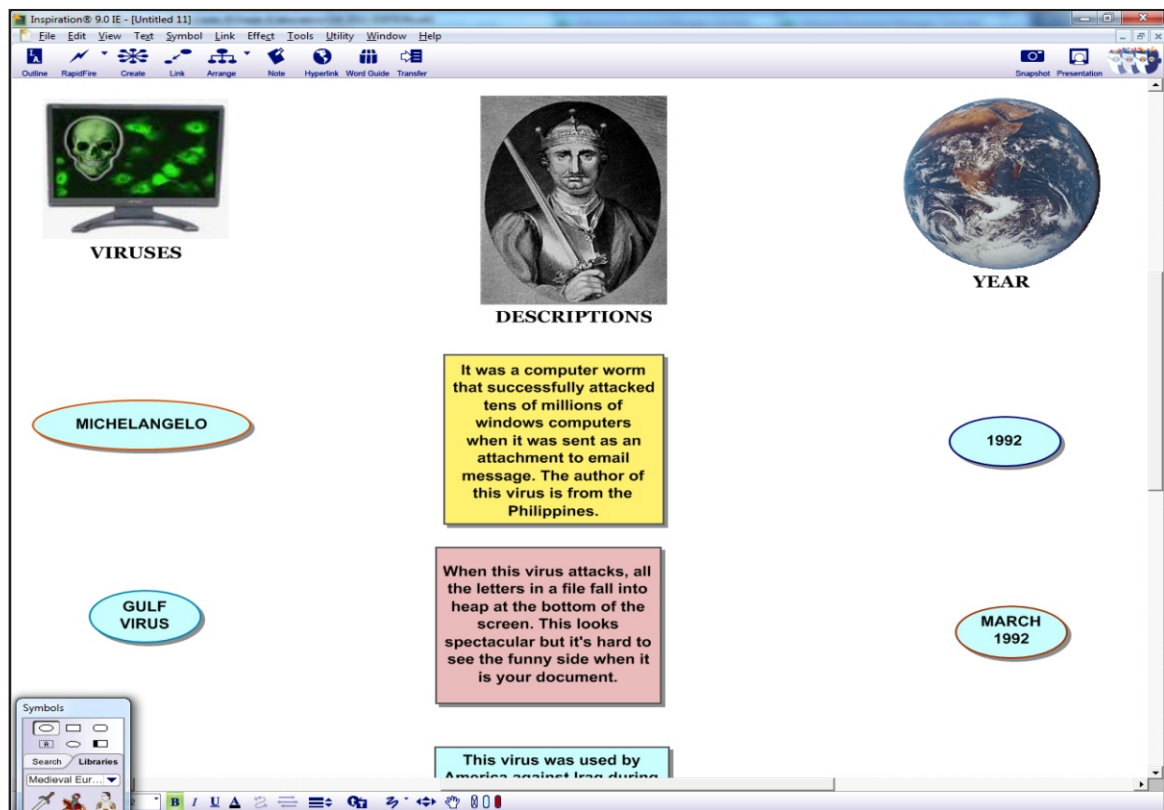
Score

### Activity 26

Directions:

1. Launch Inspiration.
2. Open and answer Lesson 9 Activity 26 **The Viruses**.
3. Link the types of Virus to their descriptions and from their descriptions to the years they became popular. Use the Link tool to connect. To gain more information about the viruses, do some research using the Internet.

Preview:



4. Save the activity as **The Viruses**.

# Hacked and Virus Crimes

## Lesson 9

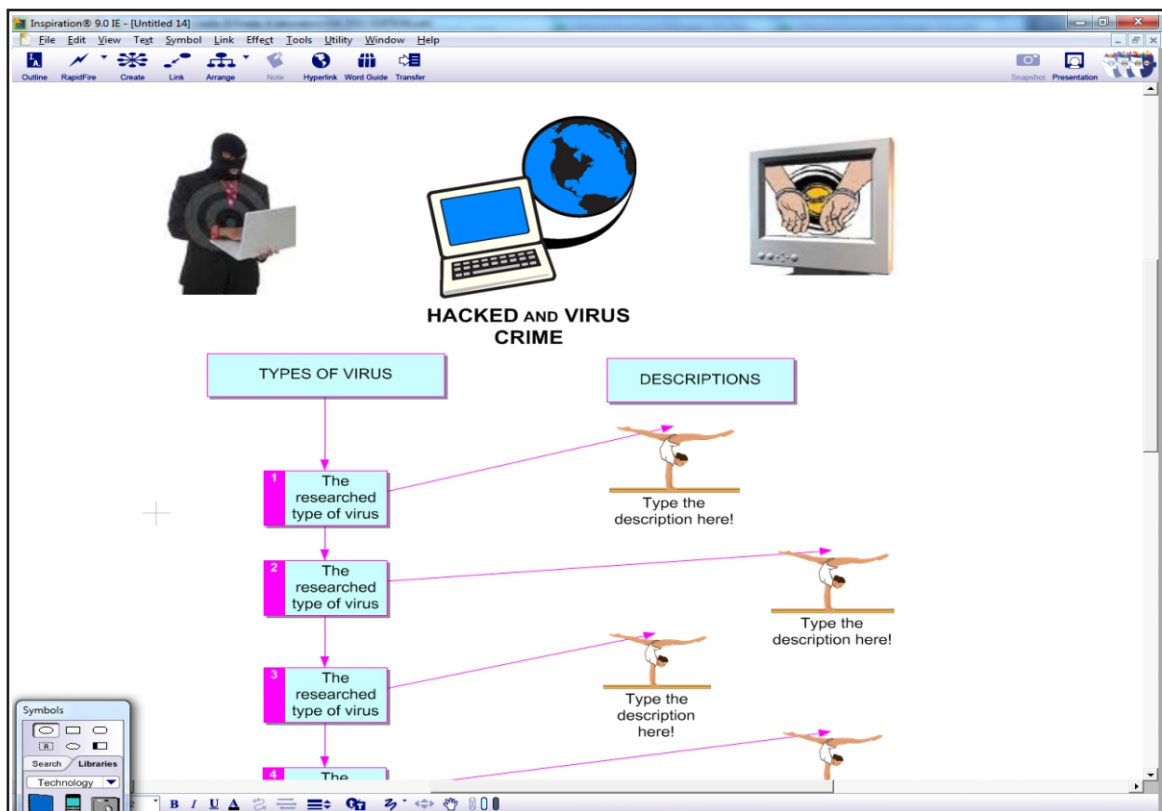
Score

### Activity 27

Directions:

1. Launch Inspiration.
2. Open and answer Lesson 9 Activity 27 **Hacked and Virus Crimes**.
3. Research at least 5 types or kinds of virus using Microsoft Student. Provide at least two sentences description of the viruses.
4. Answer the subtraction problems found.

Preview:



5. Save the activity as **Hacked and Virus Crimes**.