



Computer On The Job

Lesson 6

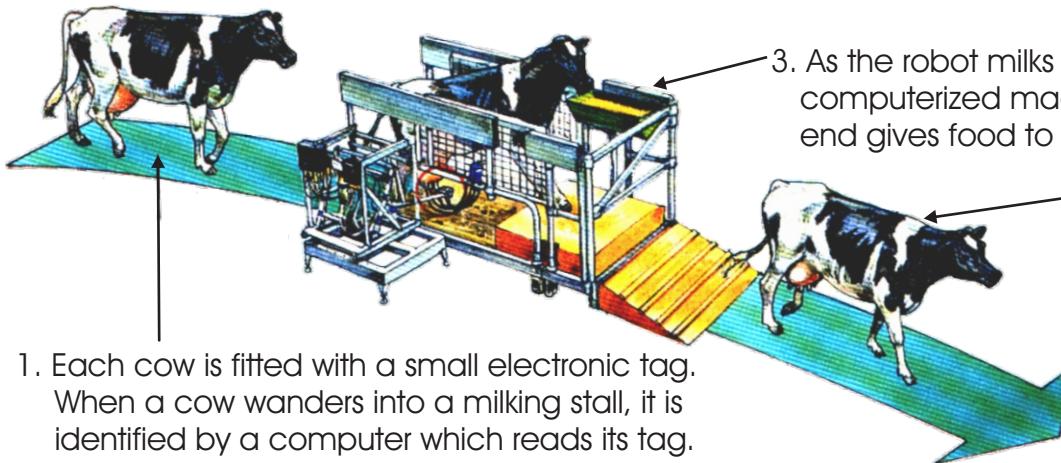
Computers have revolutionized everyone's lives. They changed the way people work, play, shop and learn. Some jobs have been completely taken over by computers. Here are some ways in which computers work for man and with man.

Milking the system

Farmers may be able to sleep in the mornings, while robots milk their cows. Scientists and Programmer have developed a milking system which can work without the farmer.



2. Computer checks its memory to see when the cow was last milked. If the cow needs milking, computer uses a robotic arm to find udder and teats.



1. Each cow is fitted with a small electronic tag. When a cow wanders into a milking stall, it is identified by a computer which reads its tag.

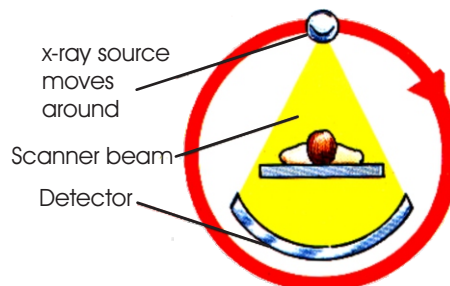
3. As the robot milks a cow, a computerized machine at the other end gives food to keep the cow quiet.

4. If a cow has returned to stall too soon, computer will open the gate, and cow will wander out.

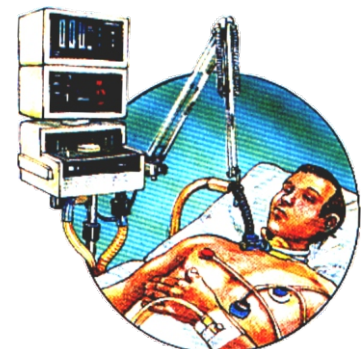
Medicine

Doctors use computers in hundred ways. From simple software packages which help diagnose diseases, to complex machines that scan the human brain; computers are now a vital part of modern medicine.

CAT scanners combine a series of X-rays taken from different angles to create a 3-dimensional image of part of the human body on a computer screen.



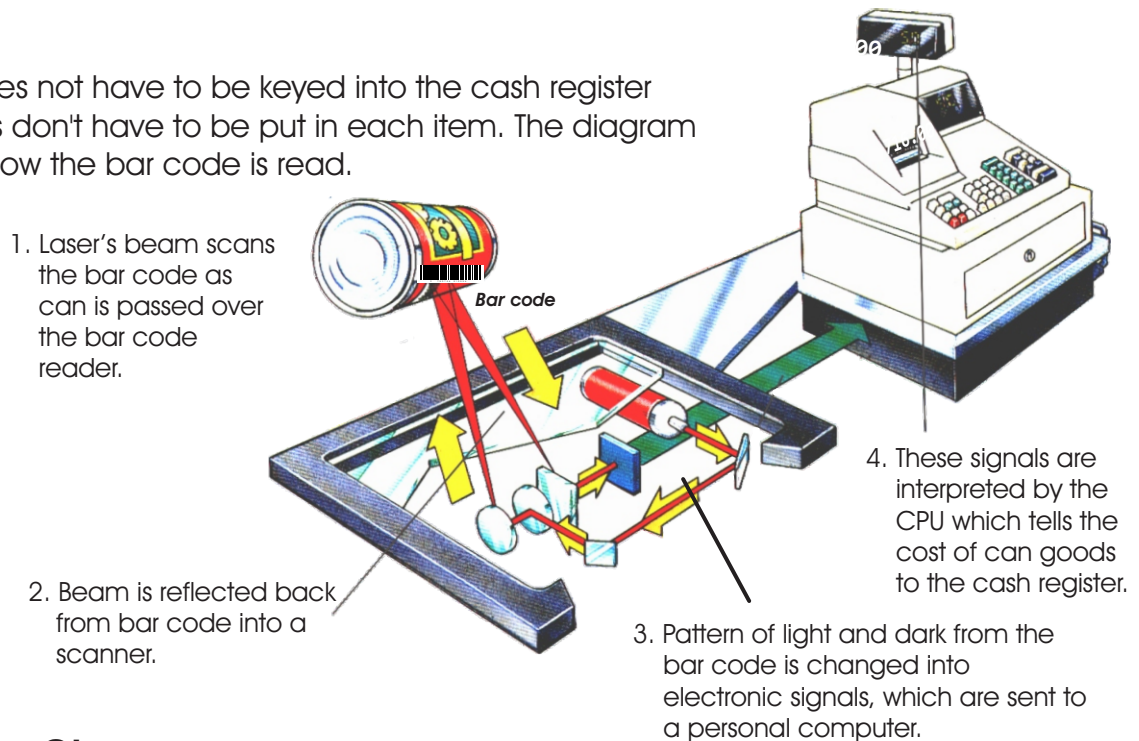
Computers monitor important data about patients' health. They can control the amount of drugs released into the bloodstream.



Bar Codes

In most supermarkets, each item has a bar code - a label made up of columns of black lines. At the check-out, the bar code is passed over a bar code reader. A computer linked to a bar code reader checks the bar code against a price list and sends the result back to the cash register.

Each price does not have to be keyed into the cash register and price tags don't have to be put in each item. The diagram below shows how the bar code is read.



Ringling The Changes

A smartphone is a high-end mobile phone that combines the functions of Personal Digital Assistant (PDA) and a mobile phone. Typically, today's models serve as portable media players and camera phones with high-resolution touch screens, web browsers that can access and properly display standard web pages rather than mobile-optimized sites only, GPS navigation, Wi-Fi and mobile broadband access. The term smartphone is used to describe phones with more advanced computing ability and connectivity than a contemporary feature phone. The definitions also shift over time since many phones that are considered feature phones today have capabilities that exceed those phones that had been promoted as smartphones in the past.



Computers At War

Airborne missiles contain computers, which guide them to their targets. They are loaded with electronic maps and can process information from satellites. These tell them where they are and where to go. Airborne missiles are so accurate that they can be guided through a city.

Milking System

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Score

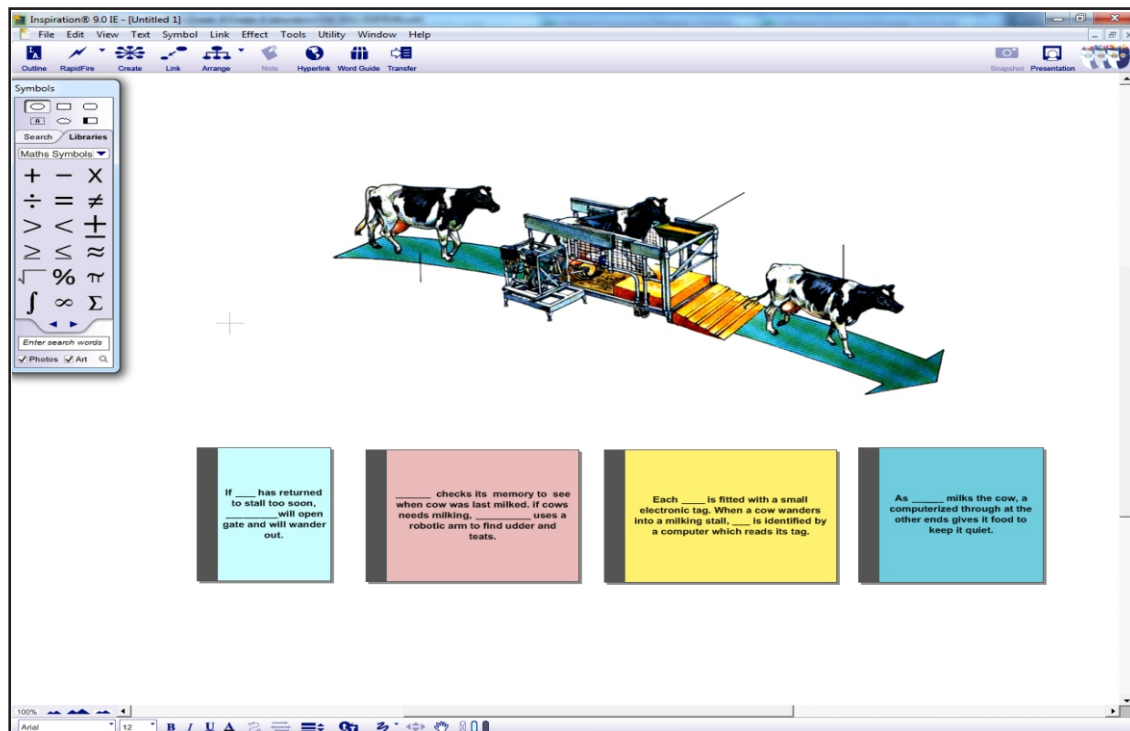
Activity 16

Directions:

1. Launch Inspiration.
2. Open and answer Lesson 6 Activity 16 **Milking System**.
3. Label the process of milking system from 1 to 4 and fill in the blanks with the missing subjects. To label, click the upper left blank part of the symbols twice.
4. Link the steps to the pictures using the Link tool in the Main toolbar.

Subject tells who or what a sentence is all about.

Preview:




5. Save the activity as **Milking the System**.



Score

Activity 17

Directions:

1. Launch Inspiration.
2. Open and perform Lesson 6 Activity 17 **Outline the ComMed**.
3. Click the Outline button  in your Main toolbar.
4. Type the data below.
5. Make sure to follow the format of the text shown.

Preview:

- Computer in Medicine
- I. Doctors used it in different ways
 - A. Database
 1. information about the patient's family
 2. information about the patient's history
 3. information about the patient's physical ailments
 4. information about the patient's already diagnosed diseases and prescribed medicines
 - B. Computer storage as the best means of housing information
 1. medical journals
 2. research and diagnosis papers
 3. important medical documents
 - II. Modern-day medical equipments
 - A. Circuitry and logic
 1. hospital-bed beeping system
 2. emergency alarm systems
 3. x-ray machines
 - III. Some services that computer provide to doctors
 - A. CAT scanners with a series of x-rays taken from different angles to create a 3 dimensional images
 - B. control of the amount of any drugs released into the bloodstream

5. After typing all the data, click on Diagram in the Main toolbar and replace all the symbols with Lab tools from the library.
6. Save the activity as **Outline the ComMed**.

Place The Bar Codes

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Score

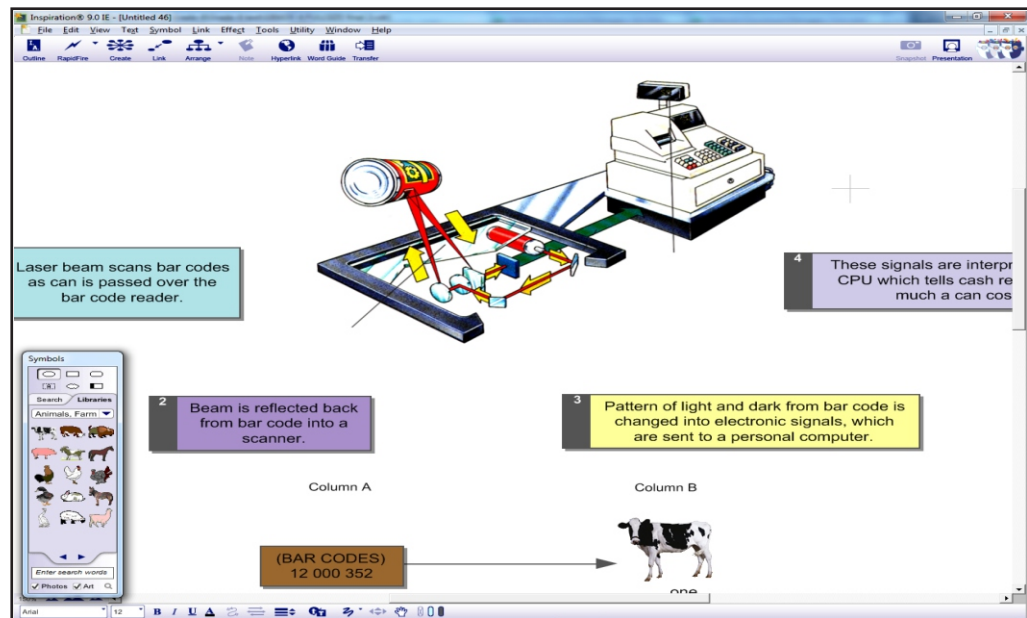
Activity 18

Directions:

1. Launch Inspiration.
2. Open and answer Lesson 6 Activity 18 **Place the Bar Codes**.
3. Read carefully the numbers or bar codes in column A.
4. Write in column B the place value of the underline digit.
5. Link the contents of the diagram to their pictures.

The **place value** is the value of a digit as determined by its position in a number.

Preview:



5. Save the activity as **Place the Bar Codes**.

SideTripSideTripSideTrip

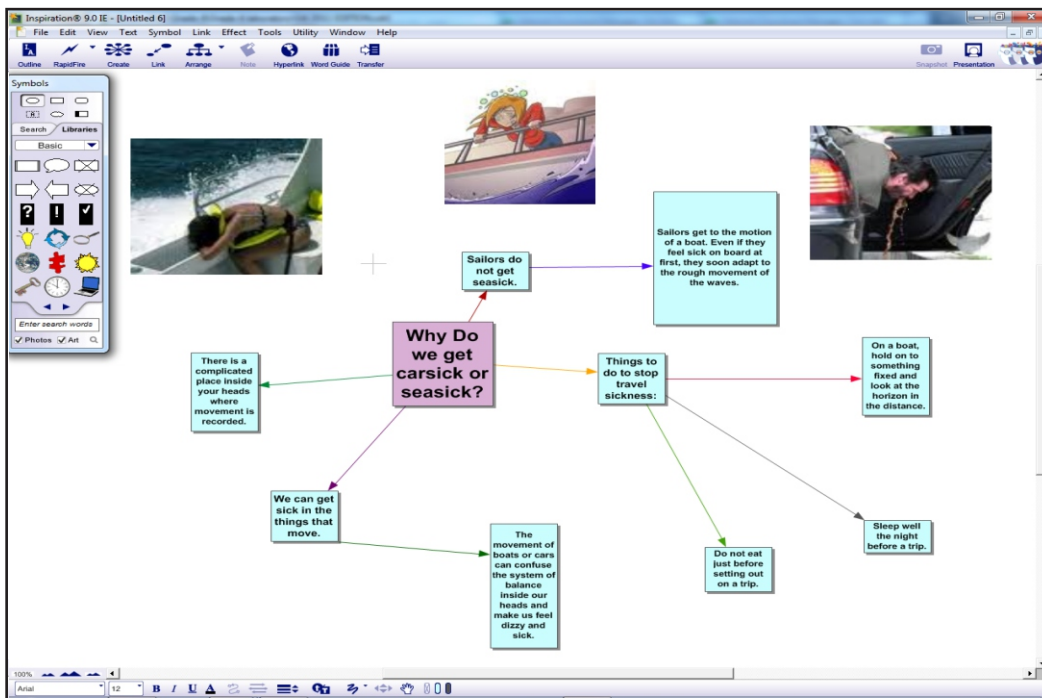


Traveler's Info

Directions:

1. Launch Inspiration.
2. Open and perform the side trip **Travel Sickness**.
3. Replace the symbols with your preferred symbols to give beauty to the topics and set the text in any color.
4. Click the presentation in the upper-right button on the Inspiration Window. Choose any presentation settings, click OK and then, click the Play button.

Preview:



5. Save sidetrip as **Traveler Sickness**.