

AP Computer Science Mr Hanley

[The Hood](#)

Computer Components

Ver: 2.01

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Assignment 1: Computer Hardware Components, LAN's, WAN's and Mainframes

Binary



Ones Comp



Twos Comp



Create a Powerpoint/Google Slides about computer systems

Computer Systems have evolved over the years.

In your presentation, describe what a mainframe computer is, what a LAN is and what a WAN is, what a mainframe is.

Also, describe the components of a personal computer. What are the main components that make up a computer? What is their purpose?

Use a hierarchy and main menu page for your slideshow

Perhaps

i. Menu

1. Mainframe

- a. Describe what a mainframe is
- b. Describe examples of who uses mainframes
- c. Give examples of at least 3 manufacturers of mainframes historically

2. LAN

- a. What makes up a LAN
- b. What is the difference between a wireless LAN and wired LAN?
- c. What determines the difference between computers on a LAN?
- d. What is a MAC address and where do they come from?

3. WAN

- a. What the heck is a WAN?
- b. Who makes equipment to connect your LAN to a WAN?

- c. How expensive are these bad boys??
- 4. Personal Computers
 - a. What is a personal computer?
 - b. What are the components that make up a computer?
 - c. Where did the QWERTY key layout come from?
 - d. What role do PC's play in a business or institution
 - e. What is linux?

NOTE: Suggested Slide Format

Main Slide has links as follows;

1. MainFrame
2. LANS
3. WANS
4. Personal Computers
5. Exit

Each Slide for the sections has a link at bottom back to title slide

Provide a “rick roll” secret feature for fun



RUBRIC



Covers Topics	15
Gives Examples of at least 3 mainframe manufacturers	5
Quality Images	5
Has non linear navigation with menu	10
QWERTY Keyboard layout	5
MAC address description	5
Wireless VS Wired LAN	5
TOTAL	50

