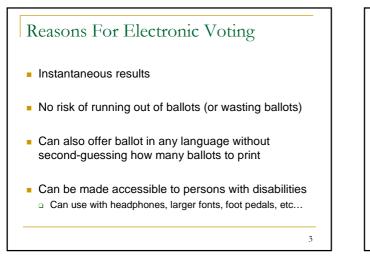
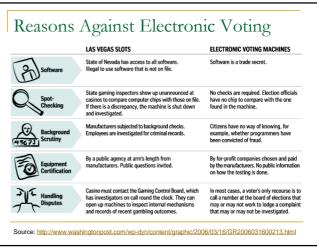
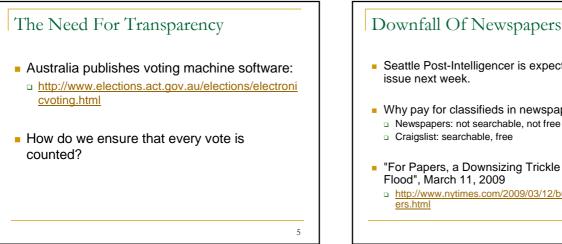


Out With The Old, In With The New

- New ways of delivering information changes the way a society operates.
 - Not necessarily good, not necessarily bad—just different.
 - Need to rethink the old way of doing business.
 - Example: spelling and the ubiquity of text messaging
- Outside factors, like laws and pricing structures, can influence how quickly a society adopts a new technology and how the technology is used.
 - In many countries, talking on a cell phone costs so much more than sending a text message.

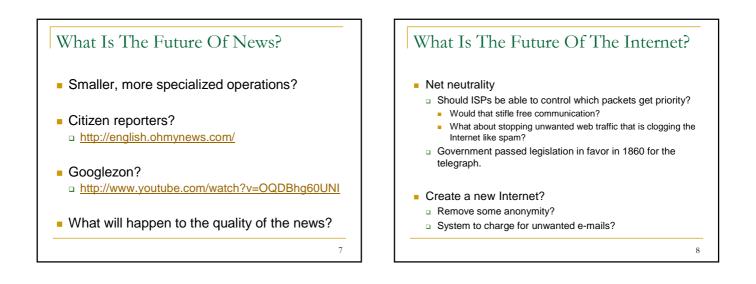


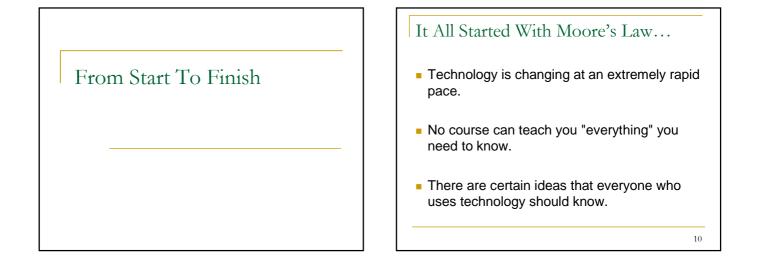




Downfall Of Newspapers

- Seattle Post-Intelligencer is expected to print its last
- Why pay for classifieds in newspapers?
- "For Papers, a Downsizing Trickle Becomes a
 - http://www.nytimes.com/2009/03/12/business/media/12pap





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Some Of The Big Ideas

- People are not born with technological abilities.
- Software designers try to design products to match what we may already know.

How The Internet Works On One Slide
Most interactions over the Internet use a client-server architecture.
Computers have numerical addresses (IP address).
The Domain Name System (DNS) converts human-readable named addresses to IP addresses.
Data sent over the Internet is broken up into small

 Data sent over the Internet is broken up into small packets, routed through various channels on the Internet and reassembled at the destination.

Hierarchies

- The server's name of a URL follows a hierarchical structure (e.g., www.cs.washington.edu)
- Files are also stored in a hierarchical structure.
 - Make sure you understand how the hierarchy works and how to write a pathname (both relative and absolute).

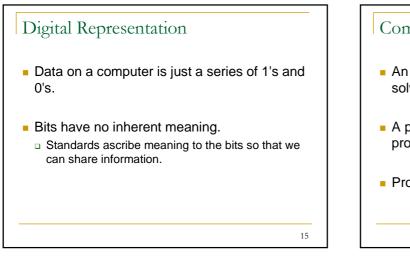
HTML / CSS

- HTML describes the content of information of a web page.
- CSS describes how the information is to be displayed.
- Separating content and appearance makes it easy to export the content into different contexts.

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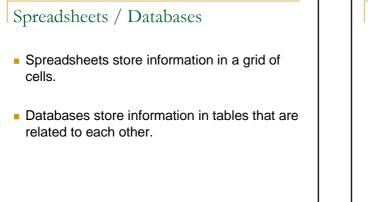
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Computing

- An algorithm is a step-by-step procedure for solving a problem.
- A program is an algorithm expressed as in a programming language.
- Programming is a fairly detail-oriented task.



Security

- Computer security can usually be achieved by small preventative measures that are exercised regularly (like brushing your teeth).
- People are sometimes the weakest link.
- Don't be gullible, but at the same time, don't be paranoid.

Privacy

- Technology raises questions about privacy that might not have been an issue before the technology existed.
 - Example: RFIDs, thermal imaging cameras
- Most e-mails are sent in the clear. If you send sensitive information, use PGP.
 - Unfortunately, there's no mechanism yet for emails to self-destruct.

