This is not an exhaustive list. This is meant to get you started and give you some concrete directions to study.

**Computing History:**
- What was the significance of the Jacquard Loom?
- What were some of the motivations for early, mechanical machines like the Difference Engine or Analytical Engine?
- Who were Ada Lovelace, Grace Hopper, Alan Turing, Charles Babbage, Douglas Englebart? What did they do/invent that was significant in the history of computing?

**How Computers work:**
- What is Moore's Law? Practically, what does it mean to us as consumers of electronic products? What are some of the negative consequences of Moore's Law?
- What are programs, applications, and user interfaces?
- What is a command line interface? What is a graphical user interface?
- How does a digital computer store data? What are binary numbers?
- What are the parts of a computer? What is the purpose of the CPU? What function the RAM perform?
- What is an operating system? Give some examples.
- Explain machine language, assembly language, and high-level language. What do we mean when we talk about a compiled language vs. an interpreted language?
- What is a supercomputer? What is distributed (or grid) computing? What is cloud computing?

**How Internet works:**
- What are routers? What function do they serve on the internet?
- What is a protocol? What is an IP address? What function does it serve?
- How do we go from an IP address to a recognizable URL like www.google.com?
- What is a client server architecture? Give some examples of common services we use which operate based on a client-server architecture.

**HTML/Building Web pages:**
- What is a web page? Web browser? URL? Web server?
- What are HTML tags?
- What is the difference between block level HTML elements and in-line elements?
- What is CSS? Give 3 reasons you might use CSS on your webpage(s).
- Why should organizations maintain sets of design guidelines?
- What are some guidelines pertaining to users of websites? Maintenance considerations?

**Ethics of Computing in Business:**
- What is a consequence based ethical framework?
- How can we define "social utility"?
- What is the difference between "Act-" and "Rule-" variations of frameworks?
- Why do professional organizations such as the AMA, ABA, etc, have professional ethics statements?
• What are some criticisms of professional codes of ethics? What are some arguments in favor of professional codes?

Privacy:
• What are 4 ways that digital technologies have changed data collection practices and privacy considerations?
• What are cookies? How are they used? What are some implications to privacy?
• What is RFID as we discussed it in class? Why does this technology have privacy implications?
• Why are online search records a privacy issue?
• What is data-mining?
• What was the Facebook Beacon controversy? How was it an example of data-mining?
• What are some considerations or consequences of aggregating data from multiple sources?

Net Neutrality:
• What are some arguments that may support the idea of tiered service?
• What are some arguments against it?
• What is deep packet inspection? (Think about the US mail analogy.)