

List of possible topics for students on the Internet:

- History of the Internet
- The physical wiring of the Internet
- What is a web browser and how does it work?
- What is an ISP (Internet service provider)?
- What is a URL? What is the hierarchical structure of a URL? What happens when you type a URL?
- What is HTTP, HTTPS etc.?
- What is an IP address? DNS?
- What is Wifi? Ethernet?
- HTML, CSS, JavaScript and other web languages
- Packets, Routing, Reliability, Internet as a packet-switched system
- Standards for packets and routing: transmission control protocol/Internet protocol (TCP/IP).
- What is Bandwidth and Latency of a system?
- How do search engines, like Google, work?
- How do web-based companies such as Amazon, Facebook, Uber, Priceline, Google use the Internet?
- How does e-mail work?
- Encryption/Decryption
- RSA Cryptosystem
- Networks, redundancy, network failure, fault tolerance
- Cybersecurity and Cybercrime
- Phishing and other scams on the Internet
- Distributed Denial of Service (DDoS) Attack
- Web crawlers
- Privacy
- Cyberbullying
- Censorship of the Internet
- Case of Ed Snowden and NSA spying on Internet traffic
- Copyright issues on the Internet
- Social consequences of the Internet (like the Arab Spring)
- Future of the Internet
- Your ideas here...