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## CSP App - Internet Screen Topics

- URL - The unique name and address of a page on the internet.
- TCP/IP - Transmission Control Protocol/Internet Protocol, the networking protocols that allow computers to interact with each other.
- UDP - User Datagram Protocol, an alternative to TCP.
- DNS - Domain Name System, it converts names like URL's into IP addresses
- packet - A packet is the data that is routed between one computer and another through a network.
- port - A number that tells a server how to forward a message when it arrives
- protocol - Protocols are rules about how information can be shared across the internet.
- bandwidth - It determines how much data can be sent over individual connections.
- phishing - Phishing is the practice of maliciously scamming people through the internet.
- ssl - Secure Sockets Layer, it encrypts links on the internet between a browser and a web server.
- ddos - Distributed Denial of Service, malicious flooding of a server or network with information to interrupt information flow.
- ransomware - Malicious virus that threatens to either deny access to or make public a victim's data unless they pay money.

Because of the internet, more information is available than ever before. When my parents were in school, research meant going to the library. Now I can access even more information in an instant by typing in a simple command or even just speaking to my phone out loud. More people across the world are getting better access to education. The internet can also be dangerous. It can lead to scams, viruses, and false content designed to take advantage of people. The internet can be a great tool but it needs to be handled with caution.

Collect URL's for the following:

- College Board AP CSP home page

<https://apcentral.collegeboard.org/courses/ap-computer-science-principles/course>

- Canyons District

<http://www.canyonsdistrict.org/>

- CTEC

<https://ctec.canyonsdistrict.org/>

- Swift Language guide

<https://docs.swift.org/swift-book/LanguageGuide/TheBasics.html>

- Twitter or other social media site

<https://www.instagram.com/thepianoguys/?hl=en>