

Define the the following terms with regards to the internet/networking:

- URL - Uniform Resource Locator, a protocol for specific addresses identifying files on the internet.
- TCP/IP - Transmission Control Protocol/ Internet Protocol is a networking protocol allowing two or more computers communication.
- UDP - User Datagram Protocol is a communications tool working with the TCP establishing less loss-tolerance and low latency connections.
- DNS - Domain Name System is an internet service translating domain names into IP addresses.
- Packet - contains the destination of the address in the addition to the message data transmitted over a network.
- Port - process specific or application specific software serving as a communication endpoint, connected with UDP and TCP.
- Protocol - creates rules for conventions for communication between network devices.
- Bandwidth - the amount of data that can be transmitted in a fixed amount of time, expressed in bits or bytes.
- Phishing - fraudulent attempt to obtain sensitive information.
- Ssl -Secure Socket Layer is the standard security tech that establishes a link between a web server and a browser, makes sure it's private and integral.
- Ddos - Distributed Denial of Service is an overflow of user data on the internet denying entry to sites or network.
- Ransomware - a form of malware where infected email attachments or malicious websites are used as a means of connecting to a user's information.

Write a paragraph on what the internet means to society and you today.

The world would not be as modernized or safe as it is today without the internet, the internet may cause issues but the code can't hurt us. The internet means more to me than I would have ever imagined when I was younger. I have endless connections with my friends and family scattered across the world with endless resources for my future. Learning how to use the internet effectively and gaining understanding of its features is the beginning of a safer era where people understand the risks and thrive. Growing up in such a new era, I would love to watch the world around me grow in a more technological place which benefit the human race.

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

[youtube.com/](https://www.youtube.com/)