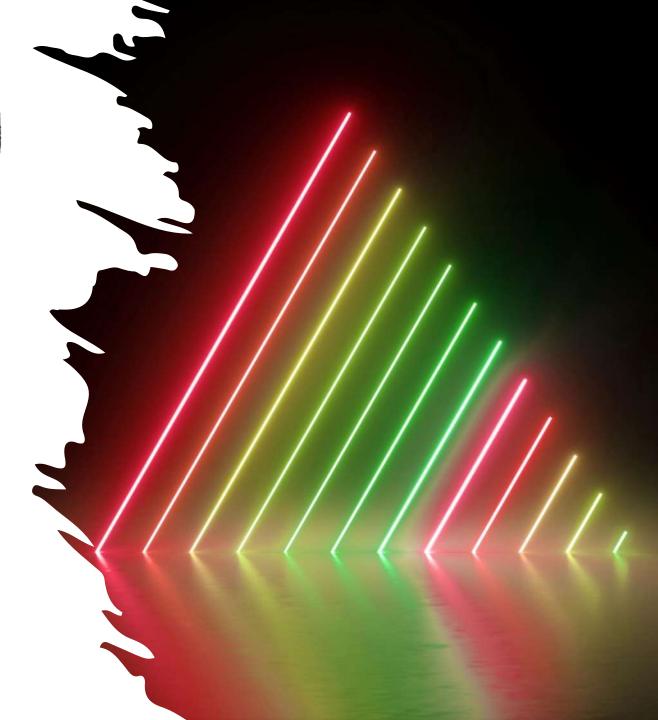


Internet

PATHFINDERS HONOUR 2020 BY THOMAS RADOSH





About me

- Live near Newbold College in England
- Married to Anna
- Youth Leader at Newbold Church with my wife
- Been interested in technology since very early age

What are we going to be talking about?

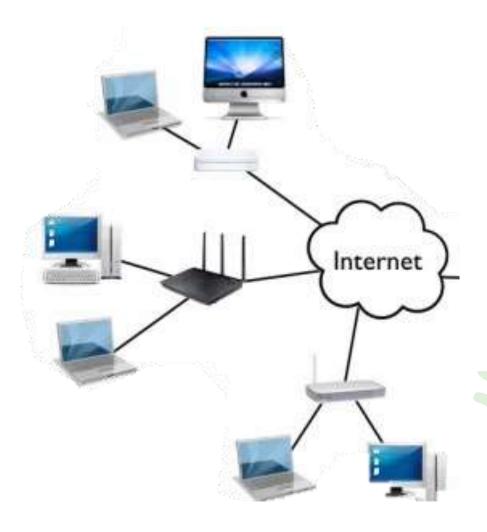
- What is the Internet and its history
- What is World Wide Web, Email, Chat Room, Social Media etc
- What are the key terms associated with internet?
- What are Viruses no, not Corona, the computer viruses, and how to best protect yourself against them
- Question time



What will you know by the end of it?

- Define the following terms:
 - Internet
 - World Wide Web
 - Chat Room
 - Download
 - Upload
 - Website
 - Virus
- Know the history of Internet
- Know why Antivirus are important
- Know how filter ware/parental controls help protect your family
- Have ability to navigate your way around the internet
- Have ability to use email

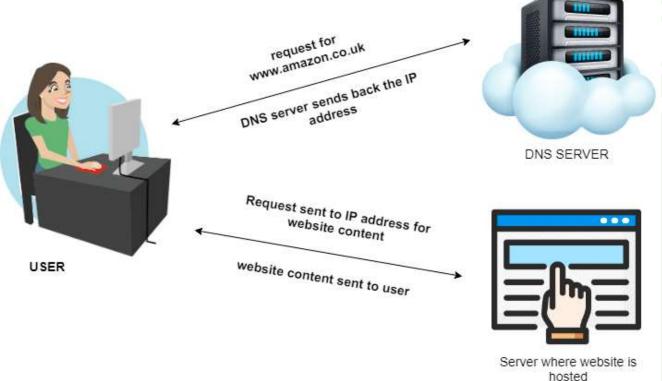




Beginning of Internet

- Internet is a system of interconnected networks of computers, and network is interconnection of computers
- 1969 Internet was originally called ARPANET and it was setup by US Military to share data between separate locations





- 1981 Internet becomes a name
- 1984 DNS introduced
- DNS Domain Name Server translate address like:
 - www.google.com to a computer understood address: 10.11.12.13
- Computer communicate using the IPv4 or IPv6 addresses
- 1995 Dial-up internet access launches



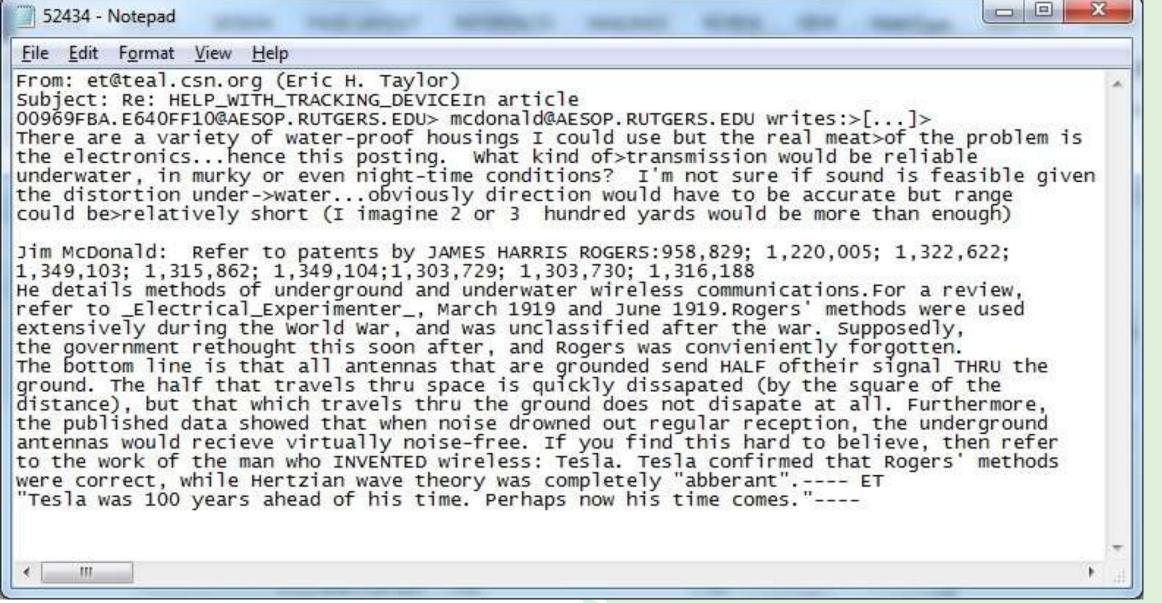


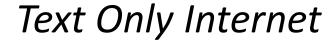


What came first e-mail or website?

- 1972 first email was sent
- 1990 first website created
- E-mail is built from name and location separated by @ known as monkey in some languages
- Websites language HTML gets developed in 1990 - before that, all content is text only









Lynx (web browser) - Wikipedia, the free encyclopedia (p1 of 5)

#copyright

Your continued donations keep Wikipedia running!

Lynx (web browser)

From Wikipedia, the free encyclopedia

Jump to: navigation, search

CAPTION: Lynx

Wikipedia Main Page displayed in Lynx Wikipedia Main Page displayed in Lynx

Maintainer: Thomas Dickey

Stable release: 2.8.5 (February 4, 2004) [[+/-]]

Preview release: 2.8.6 (?) [[+/-]]
OS: Cross-platform
Use: web browser

Use: Web

License: GPL

Website: lynx.isc.org

Lynx is a text-only Web browser and Internet Gopher client for use on cursor-addressable, character cell terminals.

Browsing in Lynx consists of highlighting the chosen link using cursor keys, or having all links on a page numbered and entering the chosen link's number. Current versions support SSL and many HTML features. Tables are linearized (scrunched together one cell after another without tabular structure), while frames are identified by name and can be explored as if they were separate pages.

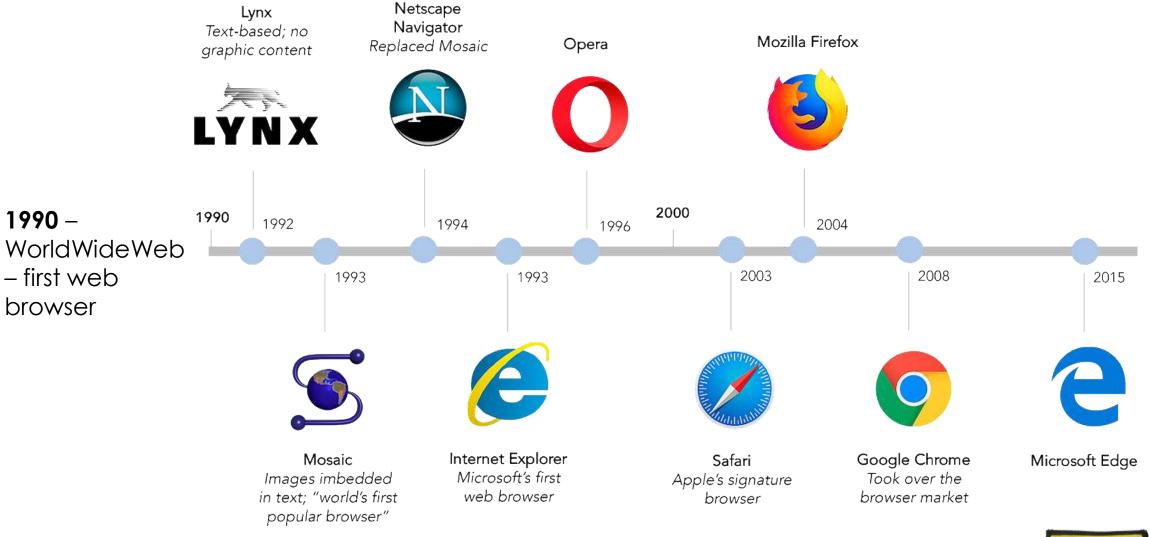
Lynx is a product of the Distributed Computing Group within Academic Computing Services of the University of Kansas, and was initially developed in 1992 by a team of students at the university (Lou Montulli, Michael Grobe and Charles Rezac) as a hypertext browser used solely to distribute campus information as part of a Campus-Wide Information Server. In 1993 Montulli added an Internet interface and released a new version (2.0) of the browser [1] [2] [3].

-more- http://en.wikipedia.org/wiki/Image:Lynx_%28web_browser%29.png

Lynx Browser



History of web browsers





Your favourite websites when they first launched





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These are the books we love, offered at Amazon com low prices. The spotlight moves EVERY day so please come often.

ONE MILLION TITLES

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EYES & EDITORS, A PERSONAL NOTIFICATION SERVICE

Like to know when that book you want comes out in paperback or when your favorite author releases a new title? Eyes, our tireless, automated search agent, will send you mail. Meanwhile, our human editors are busy previewing galleys and reading advance reviews. They can let you know when especially wonderful works are published in particular genres or subject areas. Come in, meet Eyes, and have it all explained.

Your Account

Check the status of your orders or change the email address and password you have on file with us. Please note that you do not need an account to use the store. The first time you place an order, you will be given the opportunity to create an account.

Amazon

1995







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Google -1996







login register about

E	mail:
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login

Welcome to Thefacebook!

[Welcome to Thefacebook]

Thefacebook is an online directory that connects people through social networks at colleges.

We have opened up Thefacebook for popular consumption at Harvard University.

You can use Thefacebook to:

- Search for people at your school
- · Find out who are in your classes
- · Look up your friends' friends
- See a visualization of your social network

To get started, click below to register. If you have already registered, you can log in.

Register

Login

a Mark Zuckerberg production Thefacebook © 2004

Facebook

2004





YouTube

2005



















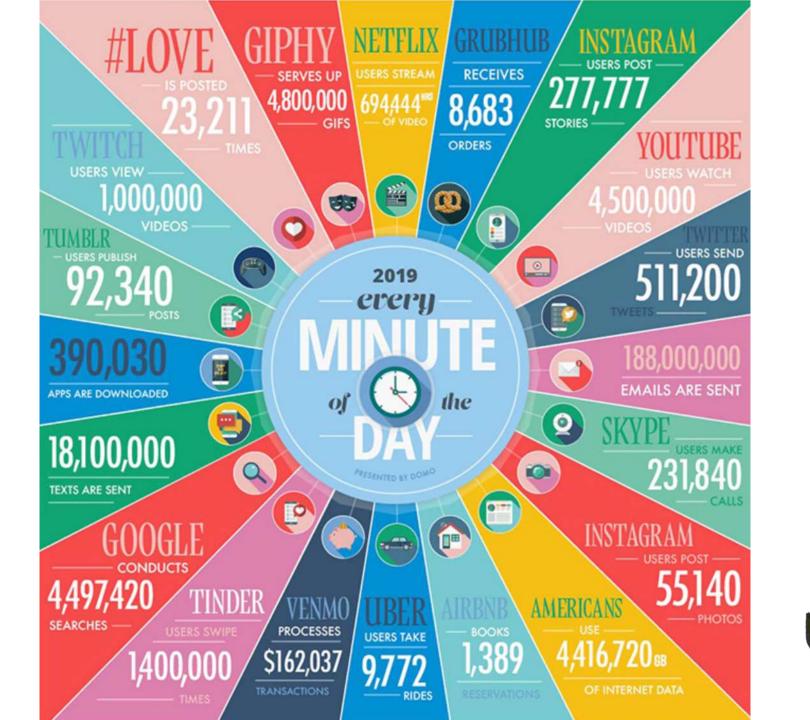






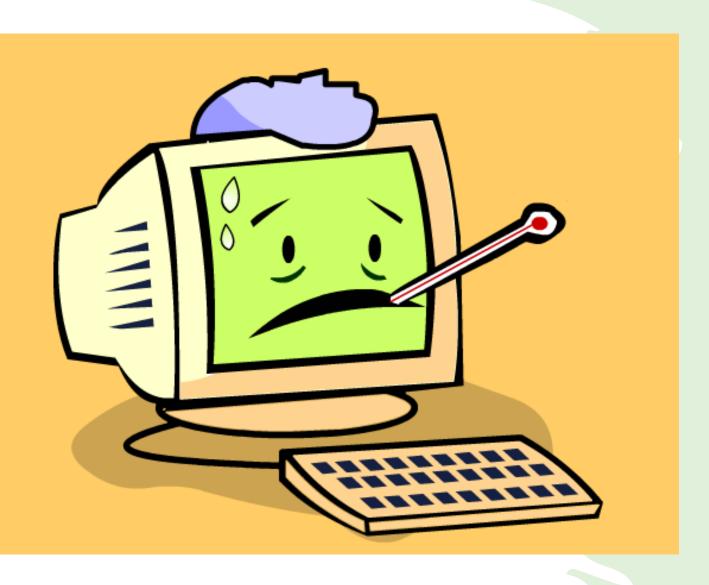
- Key network terminology
 - Download the speed that we can be pulling data FROM internet
 - Upload the speed that you can be pushing data TO internet
- What makes internet today?
 - Web browsers
 - E-mails
 - Instant messaging
 - Social network
 - Streaming





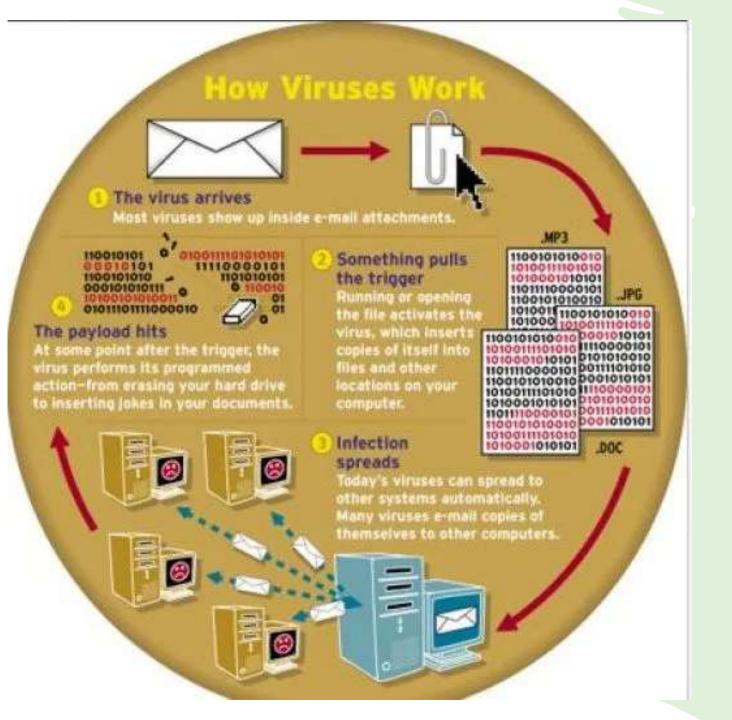






Virus and security

- 1971 the very first virus it would copy from one machine to another and fill up the disk space
- November 1988 first virus that spread extensively - "Brian" – it was an accident – the person tried to see how large is the internet, took 15h to spread to almost all machines on the internet
- Viruses are programs that do something bad on your machine. What could be the bad things that can happen on computer?



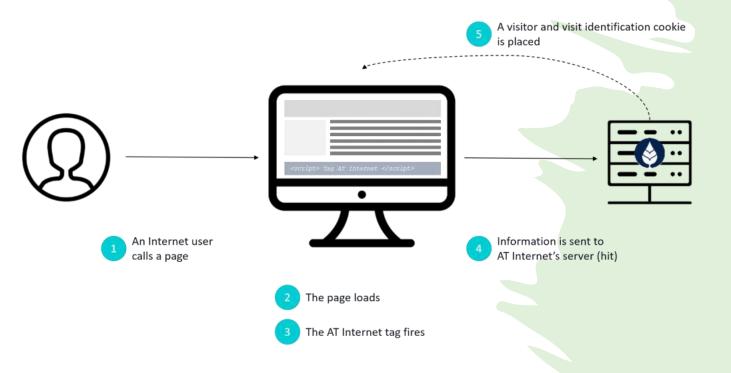
- 2013 start of Ransomware encrypt your files preventing you from accessing them
- Trojan Trojan Horse allowing other person to see and control your machine without your knowledge
- Adware pop ups and banners on your screen that are hard to close



Security on internet

- Cookies
- Anonymity on the internet
- Content filter / parental control
- Installing and downloading things from internet
- Phishing (not fishing)
- Safe search
- Antivirus and Firewall





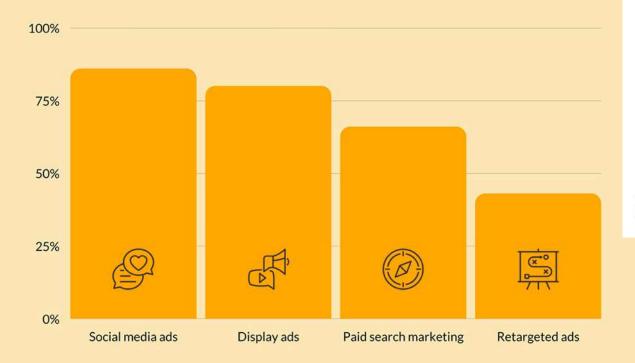
Cookies

Like crumbs allowing to see where on internet you go, most are safe. But it's important to review and understand what information are stored



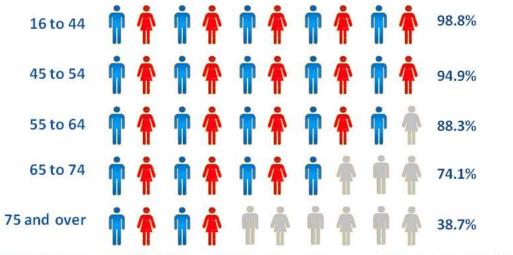
66% of Companies Advertise Online

66% of companies use online advertising and do so through a variety of channels. The most popular are:



87.9% of adults in the UK have used the internet in the last 3 months





... but just 4 in every 10 adults aged 75 and over have used the internet in the last 3 months .



















Antivirus and Firewall

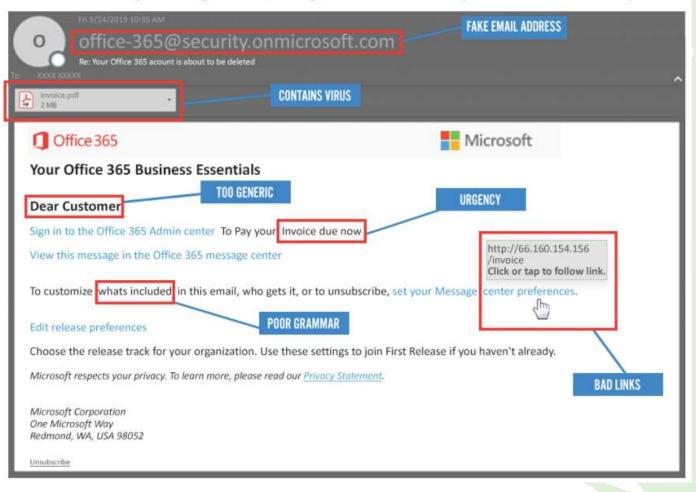
Firewall protects your device from external attacks

Antivirus protects your device from the compromised files and websites

Both rely on updates, and require maintenance, however neither is perfect!



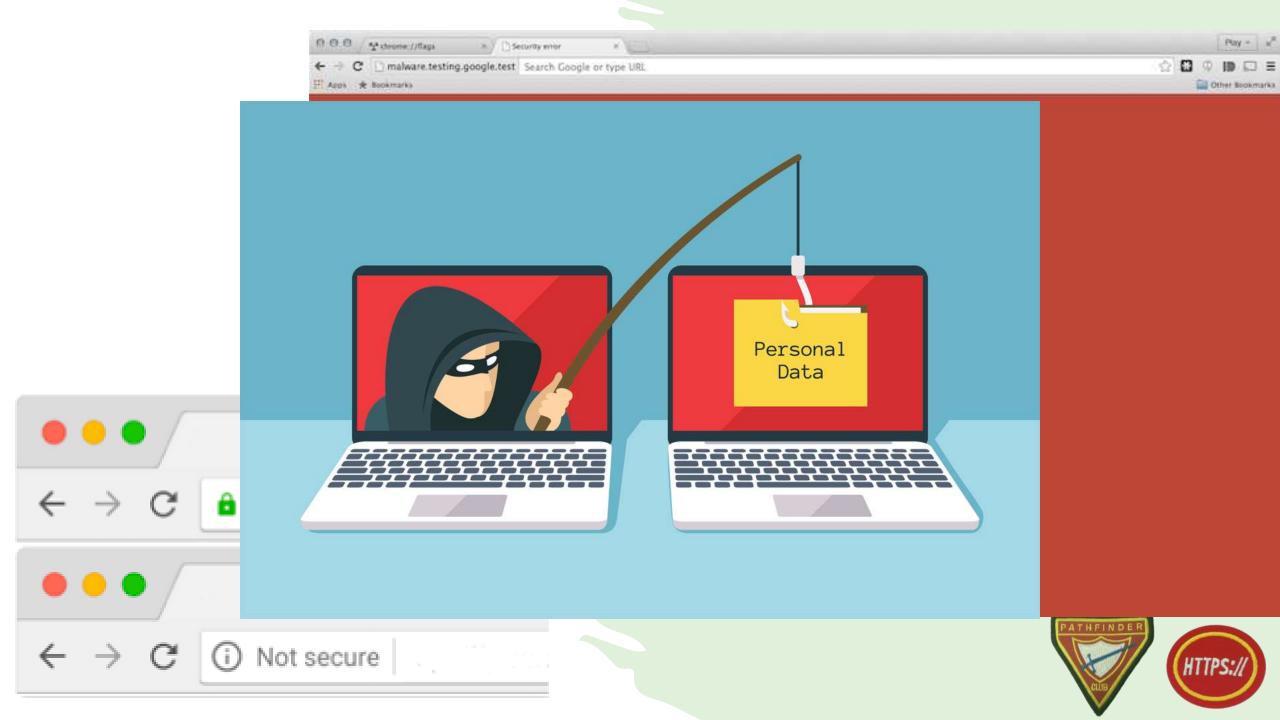
Cyber criminals might send an email that looks legitimate, known as a phishing email, but you can take steps to avoid the traps



Phishing

A common method, where attacker send email appearing to look from correct person but containing fake information. Have a look at how to spot this type of messages.







- Always make sure you use reputable sites
- Always make sure that site is https and not http
- Scan your computer regularly
- No machine is immune from risk
- Always keep your software up to date



Amount of Time to Crack Passwords

"abcdefg" 7 characters



.29 milliseconds

"abcdefgh" 8 characters



"abcdefghi" 9 characters



"abcdefghij" 10 characters



4 months

"abcdefghijk" 11 characters



1 decade

"abcdefghijkl" 12 characters



2 centuries

☑BetterBuys



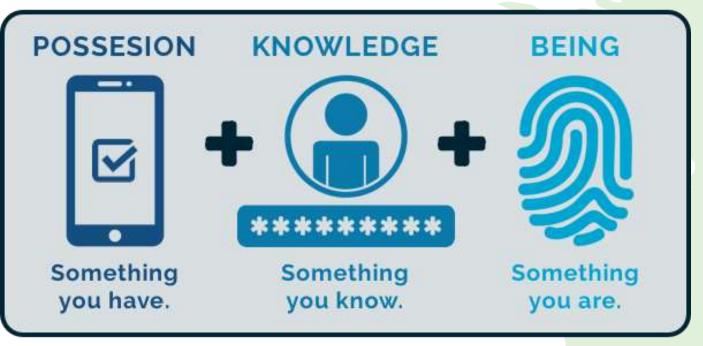




Let's talk about password!



Multi-Factor Authentication (MFA)



Multi Factor Authentication - MFA









What operating system is immune to risks on internet?



Stay SAFE Online

BY, EDTECH4BEGINNERS.COM



Tell an adult if something makes you feel worried.



Double-check information to make sure it is true.



Don't open messages or files from people you don't know.



Never meet up with strangers (even if they seem nice).



Think before you post and keep personal info/passwords safe.



BE NICE TO PEOPLE.





What Bible verses should you keep in mind when on internet?

- **Philippians 4:8** Finally, brothers and sisters, whatever is true, whatever is noble, whatever is right, whatever is pure, whatever is lovely, whatever is admirable-if anything is excellent or praiseworthy-think about such things.
- **Proverbs 4:23** Above all else, guard your heart, for everything you do flows from it.
- 1 Corinthians 10:31 So, whether you eat or drink, or whatever you do, do all to the glory of God.



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