

INTERNET since 1969

380. **What is difference between Internet and WWW?**
381. **Internet** is network of networks & equipment
382. but **WWW** is billions of digital documents enabled by Mosaic 1993. **Web 2** is social networking myspace, facebook, twitter, web logs, video logs, wikis, podcasts, webcasts, VoIP, Newsgroups, chat
383. What is important about the Internet? One can get information and give information.
384. **Internet Two I2** is faster hardware allowing 1Gps-8.8Gbps bandwidth
385. Free email is available from Yahoo or Gmail.com hotmail.com is web based. ISP is client based
386. email is not private, not secure need PGP Pretty Good Privacy encryption to protect
387. **What is the cloud?** Using programs that are Internet based rather than ones on your PC
388. **What is good about cloud computing.** free, no need to install, lots of storage, good security
389. **What are cons of cloud?** Internet not always available, others may see what you are doing if you use **WIFI** or if unencrypted. Data can be lost in transmission. Does not work during power outages, or solar storms, in tunnels, in basements and at some public places. Requires internet setup. Using air card or cell fone is problematic and often very slow and sometimes expensive.
390. **Why Internet is important?** facilitates getting and giving information/knowledge quickly, inexpensively, trade, goods, cooperation, saves lives
391. How to add addresses to favorites. in browser click on Favorites or bookmarks, click Add, OK
392. governments, corporations and other groups are spying on you and collecting info on you
393. and also many be employers who can do this legally.
394. Don't go, search, do or say anything over a computer or fone that you don't want the world to possibly know. **Check out duckduckgo.com**
395. Where is the Internet censored? Many places. China, Jordan, Saudi Arabia, Vietnam, and the USA.
396. What is an **ISP?** Internet Service Provider
397. What are the **services of the Internet** E-Mail, Web, FTP, Discussion Groups, Telnet, Lists, messaging
398. **digital divide** World divided those who have digital access and Knowledge or not
399. **browser** program used to see web pages Firefox, Chrome, Explorer, Safari
400. **URL** web address in human readable form, domain and computer name <http://www.yahoo.com/>
401. **IP address** internet address as a dotted quad number 254.123.555.192 read by computers
402. **top level domain names** .com .edu .org .mil .net .gov .bus .us .tv
403. What is **Esperanto?** The Easiest Language that can be learned in 10 minutes a day could save thousands of lives and prevent much misery because of non understandings. All humans need to understand each other especially in an emergency. There are hundreds of languages used around the world leading to non understand and much suffering, mistrust and thousands of deaths due to misunderstandings. Discussions help avoid conflicts and killings. Half of the words are like English.
404. Ways to connect to internet, fastest, is **cable, then DSL**. Then WiFi, 3G, 4G LTE, slowest dialup.
405. How to clear out cookies and temporary files? Internet Options in IE or Tools Clear Private Data
406. **Home page?** the main page on a web site
407. What is a **client?** the computer being served such as your computer
408. What is a **server?** a computer that provides file service to client computers
409. a **Protocol** is a set of rules and standards to accomplish something
410. What is **HTTP?** the protocol used to control communication between web clients & servers
411. What is a **LINK?** a hyperlink connection pointer to a document or website.
412. What is **asynchronous?** not in synchronization like e-mail
413. What is **surfing?** looking at one site or page after another
414. What is **downloading** bringing files from server to a local computer. Uploading is to the server

415. What is **portal**? (Large Door) a website that offers a lot of links to others
416. What is **multimedia**? using text, and at least one of these video, audio, graphics and or VR
417. bread crumbs trail a pathway of how to get to a place
418. Web 3 **W3 semantic web** an evolving extension of the WWW in which info is defined in a way to make it more easily readable by computers. Preferences are added to a bot which does the searching and reads metadata not visible to humans saving you time.
419. **Plagiarism** claiming another persons work as your own. Ask me about business.
420. **E-Commerce B2C** Business to Consumer Amazon.com **C2C** Consumer to C Craigs List ebay
421. **Spam**= junk usually refers to junk email
422. **GIF** Graphics Interchange Format picture compression method makes files smaller limited to 255 colors therefore it is not great for portraits
423. What is audio? sound
424. What is **MP3**, and **OGG**? a method to compress sound files as much as 1/10 th the original size
425. **streaming**? file loading method so that they can be heard and or seen almost immediately
426. **VR** virtual reality computer generated reality used for simulations teaching or gaming
427. **avatar** a 3D representation of a participant in a virtual world
428. **JPEG? most common method of compressing foto files**
429. What are **plug-ins and add-ons**? helping programs for browsers. Name some Flash, Quick time
430. What is **FTP**? File Transfer Protocol used for transferring files on Internet click on download icon
431. What are **newsgroups**? Discussion boards on thousands of topics can be useful
432. What is **IM**? instant messaging
433. What is **netiquette**? etiquette on the Internet basic rule Do only as you would want to be done to
Why use it? Actually is safer and better
434. **Flaming** is running people down, bullying, putting someone down Follow the rule Do only as you would want to be done to yourself because it is a small world and what goes around can come around back to you in much much worse deadly form. Use positive constructive criticism instead. Flaming can have serious negative consequences for both.
435. What is web publishing? uploading documents to an Internet server see scribd.com
436. How to track where children have been History, Cookies, Net Nanny
437. examples of **antivirus programs** AVG Free, Norton, McAfee, Kaspersky
438. examples of **anti-spyware programs** Spy Sweeper, CounterSpy, SpyBot, Ad-Aware
439. **firewall? hardware and software that stops undesirable traffic in and out** like Zone Alarm
440. What is **cyberterrorism**? terrorism using computers. It is now a serious threat to Americans
441. **What can you do to protect your computer?** Use a UPS and up to date Antivirus and anti spyware programs, don't open files or click on links sent by unknown persons. Check out AVG Free Use Linux Mint OS. Turn your computer off when not using.
442. **Malware** (like the word mal practice) **hostile programs such as computer viruses**, spyware, worms, Trojan horses, time bombs.
443. **How to safeguard your personal information** Don't give it out. Use a firewall. Store your data on a DVD, CD or USB stick, not on your hard drive. Do sensitive work on a pass-worded computer not hooked up to Internet. Password protect it and encrypt it.
444. How to throw off crackers and those who collect information about you. Give phony info, encrypt
445. **FAQ** frequently asked questions. the place to go for beginning or common questions
446. **Verichip implantable** RFID rice size used in **thousands of humans** and animals **for ID & tracking them** Also referred to as veri-med chip or personal ID chip
447. **RFID** Radio-frequency identification see <http://www.michaeljournal.org/newtechno.htm> also see psychips.com

448. The **mu chip** is even smaller only as big as a dot of ink, and mu powder even smaller. **Can be placed in or on you without your knowledge and used to spy on you.** Can be placed in clothing, food, anywhere and allow that material or person to be tracked, inventoried, located, identified, fund, eradicated. Since RFID tags can be attached to cash, clothing, and possessions, or implanted in animals and people, **the possibility of reading personally-linked information without consent has raised serious privacy concerns.** See movie enemy of the state. Can be read from up to 10 inches away Readers are under \$100 and can be bought and installed by anyone. Readers can be placed in doorways or public places and your information captured without your permission or knowledge and used against you. Can be used by Identity thieves. However it can have many other useful applications such as inventory, tracking food., tracking items or people, identifying lost animals.

449. **Nano science** study of structures 1-100 nano meters in size

450. [Read about portableapps.com](#) Allows you to take your word processor, spreadsheet, music player, browser and other programs with you to any computer. Is free and useful.

451. **Max code** inkblot like code used to process packages by UPS

452. Check the [searchenginelist.com](#) Lists many types, <http://www.20search.com/>

453. Here are some of them Dogpile FreeBookSearch.net Lexis Nexis AskMeNow FlixFlux Torrentz ThomasNet Alibaba.com Exalead SharePoint Omgili Wink Career Builder Craig's List Dice.com Hot Jobs (Yahoo) Monster.com SimplyHired.com MapQuest Google Maps Windows Live Maps Healial WebMD Info.com Kayak MetaCrawler Surfswax Turbo10.com WebCrawler YouTube scribd.com blinkx FindSounds MetaCafe Musgle PBS Google News NewsLookup.com Topix AnyWho Ex.plode.us Finding-People.com LinkedIn InfoSpace Spock Wink Zabasearch ZoomInfo Answers.com Ask AskMeNow eHow Scirus Nextag PriceGrabber PriceRunner Shopping.com Shopwiki Shopzilla TheFind.com Google Groups Kartoo. **You are to show the class at least two web sites that are useful and practical.** Avoid doing one which someone else has shown the class.

454. Wikipedia http://en.wikipedia.org/wiki/List_of_search_engines lists around 30

455. The following items allow communication directly between cell phones and mobile devices without going thru a server or Internet. These would be useful allowing people to communicate during emergencies or in times of government Censorship, Internet or cellular outages. Bluetooth. **NFC Near Field Communication, Wi Fi Direct**, WiFi ad hoc mode and **WiFi-Opp**, a realistic opportunistic networking setup relying on (i) open stationary APs and (ii) spontaneous mobile Aps (i.e., smartphones in AP or tethering mode), and broadcasting short message or news which can be seen by other WiFi devices nearby. Can be used with printers. Infrared port, usb port, micro SD card.

456. FireChat uses NFC or WiFi direct to search for free internet connections without a direct Internet connection

457. **micron** Also called **micrometer**. the millionth part of a meter.

458. IEEE **802.11ah** standard, which was developed specifically for IoT devices. The tech will be formally called the **Wi-Fi HaLow**. It operates in 900 MHz band, which helps to cut down power consumption, extend transmission range, improve propagation and penetration (the ability to transmit through various barriers, such as walls or floors). It is expected that the radius of a Wi-Fi HaLow device will be twice that of modern Wi-Fi standards (i.e., 500 meters in case of the 802.11n) and up to one kilometer, Actual data-rates supported by the 802.11ah will not be too high: the tech uses 802.11a/g spec with up to 26 channels that provide up to 100 Kb/s throughput. Was designed to enable communications between devices at longer distances and/or in challenging environments (with many barriers) using relatively low amounts of power. The tech could challenge both Bluetooth and cellular networks eventually since it combines the best of both worlds: low power operation as well as relatively long range. Moreover, unlike Bluetooth and other short-range radio technologies, the 802.11ah can connect devices directly to the Internet.