

# **WINDOWS 11 CLASS – FIRST HANDOUT**

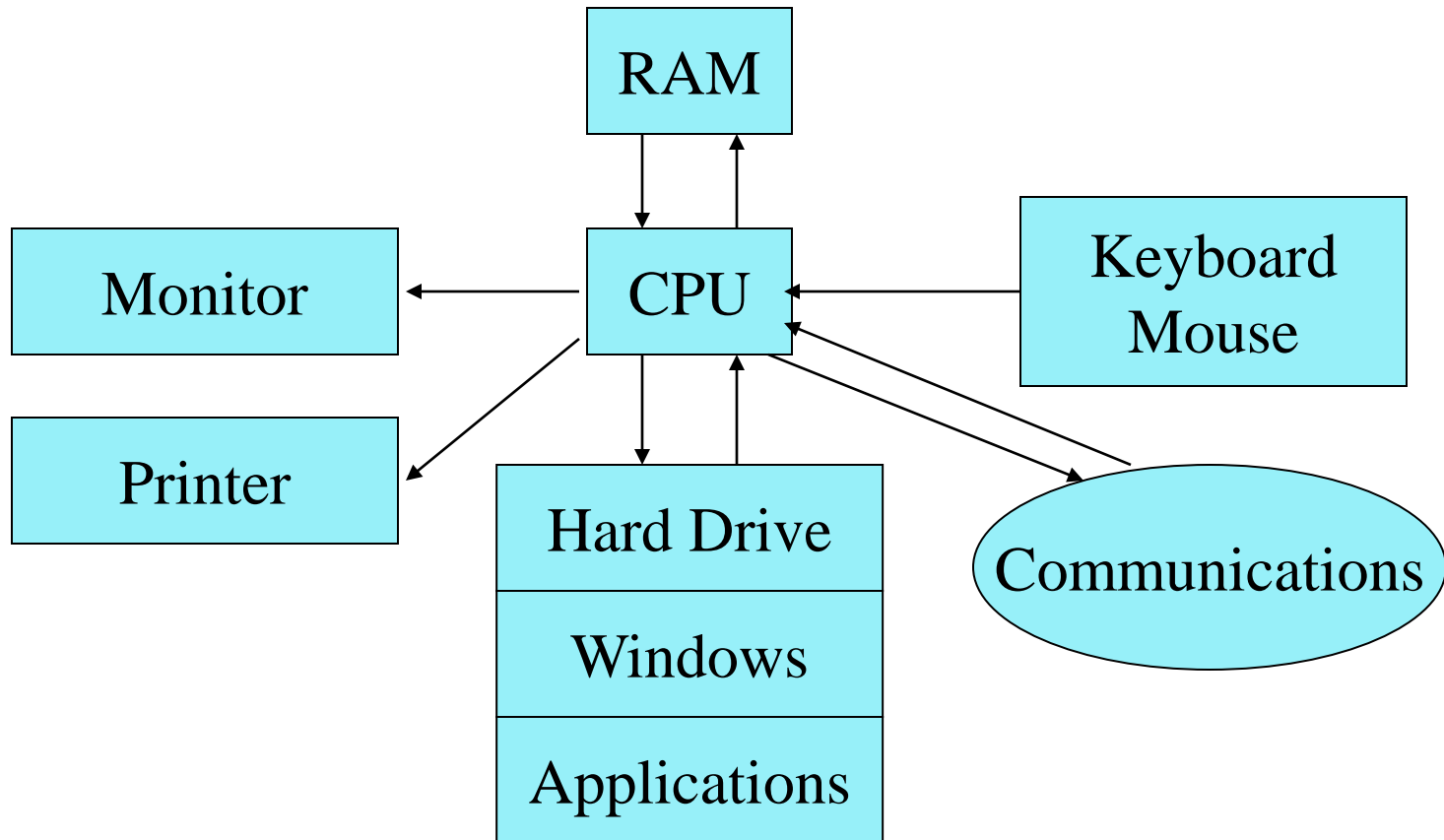
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## WINDOWS 11 SCHEDULE

Week	Chapter	Title	WIN 11 Pages
1	2, 3	Getting Started	13, 20-24, 26-29, 36-37, 40, 58, 86, 48
2	2, 4	Basic Control, Task View, Snap	85-86, 88-100, 113
2	5	Customizing the appearance of Windows 11	77-78, 102-109, 114
3	3	Intro to Apps	68-83, 166-175, 200-201
3	First Handout and discussion	Intro to the Internet - Web browsers vs. Search Engines	--
4	9 and handout	Intro to Internet browsing, Microsoft Edge (Google Chrome ?)	180-183, 186-187, 192
5	handout	Selecting - Copy, Cut, Paste	--
6	6	File Explorer	120-133, 136-137
6	handout	Files / Folders - File Management	--
7	7	Creating folders, Selecting/Grouping, Copy/Move files, Rename, Delete	142-157
8	12	Maintenance, Security, Backup	220-226, 230-232
8	8	Working with photos Music from your desktop	166-171 172-175
		Use the link below to view a web page of additional information	
		<a href="https://keithhering.org/classes">keithhering.org/classes</a>	

# PC DIAGRAM



# Drive Capacities

1 bit = “0” or “1”

1 byte (8bits) = 8 bits (1 character)

1 kilobyte (KB) = 1024 bytes ( $2^{10}$ )

1 megabyte (MB) = 1024 kilobytes ( $2^{20}$ )

1 gigabyte (GB) = 1024 megabytes

1 terabyte (TB) = 1024 gigabytes

# A Kilobyte is 1,024 Bytes

You would think that since the prefix “kilo” typically means 1,000, that kilobyte would have 1,000 bytes.

The reality is that since computers store data using the binary system, and the binary system is based on powers of 2, the actual number of bytes is 1,024.

You can see this when you look at how the power of 2's works:

$$\begin{array}{l} 2^0 = 1 \quad 2^1 = 2 \quad 2^2 = 4 \quad 2^3 = 8 \quad 2^4 = 16 \quad 2^5 = 32 \quad 2^6 = 64 \\ 2^7 = 128 \quad 2^8 = 256 \quad 2^9 = 512 \quad 2^{10} = 1024 \end{array}$$

The first binary value that represents 1,000 bytes is 1,024. Therefore, a kilobyte contains 1,024 bytes.

# ORIGINAL IBM PC



# HISTORY OF THE IBM PC

DATE	EVENT	SALES PRICE	IN TODAY'S DOLLARS
August 1981	IBM releases IBM Personal Computer - IBM PC	\$1,565	\$4,455
	Operating System is PC DOS by Microsoft - Bill Gates and Paul Allen		
June 1982	First IBM PC Clone released - MPC 1600 - Columbia Data Products		
January 1983	Compaq Portable		
1984	Compaq Deskpro		
1984	Michael Dell begins selling IBM PC upgrades and computers directly to customers		
Nov. 1985	Microsoft Windows is launched to compete with Apple's Macintosh GUI		
1985	Dell produces first computer of its own design, the Turbo PC (IBM PC Clone)	\$795	\$2,263
2005	IBM sells it's Personal Computer division to Lenovo		
1996	Dell.com website launches - 7 months later, selling \$1 million of computers per day		
1999	Dell is ranked number 1 in PC Sales		
2005	IBM sells it's Personal Computer division to Lenovo		
	<b>TOP 6 PC MANUFACTURERS</b>		
RANK	MANUFACTURER	2024 MARKET SHARE	
1	Lenovo	24.4%	
2	HP	22.6%	
3	Dell	16.7%	
4	Apple	9.0%	
5	Acer	7.3%	
6	Asus	7.1%	
	Others	12.9%	

# HISTORY OF MICROSOFT WINDOWS

DATE	EVENT
August 1981	IBM releases IBM Personal Computer - IBM PC
	Operating System is PC DOS by Microsoft - Bill Gates and Paul Allen
November 1985	Windows 1.0
	Microsoft launched Microsoft Windows to compete with Apple's Macintosh GUI ( <u>G</u> raphical <u>U</u> ser <u>I</u> nterface)
December 1987	Windows 2.0
1990	Windows 3.0
August 1995	Windows 95
June 1998	Windows 98
September 2000	Windows ME
October 2001	Windows XP
November 2006	Windows Vista
July 2009	Windows 7
October 2012	Windows 8
July 2015	Windows 10
October 5, 2021	Windows 11

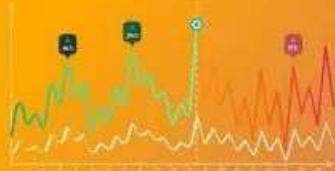
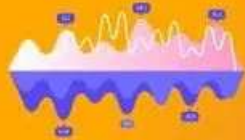


## WINDOWS 11 APPS LIST

WINDOWS 11 APP	DESCRIPTION
Calculator	calculator, converter
Calendar	appointments and dates
Camera	use to take pictures if computer has built in camera
Clock	alarm, world clock, timer, stopwatch
Copilot	Digital Assistant (like Siri or Alexa)
Family	Parental controls and digital safety features for children
Feedback Hub	Submit bug reports and feature suggestions
Game Bar	Various utilities and resources for Computer gamers
Get Help	windows help digital assistant
Get Started	settings to personalize tips, ads, and recommendations
Maps	access to online maps (similar to Google Maps
Media Player	play music and videos
Microsoft Clipchamp	Create and edit videos
Microsoft Edge	internet browser (replaces Internet Explorer)
Microsoft Store	access Windows Store
Microsoft Teams	Microsoft's version of video conferencing
Microsoft To Do	cloud-based task management application
Movies and TV	play videos, online movie purchases
News	real-time news
Notepad	create and edit text files
OneDrive	Microsoft online "Cloud" file storage - needs Microsoft account
Outlook (new)	add your account and use this app to send and receive emails
Paint	drawing program
Phone Link	access photos, messages, apps, calls from your phone
Photos	view, edit, and organize your photos
Quick Assist	allows a user to view or control a remote Windows computer
Settings	all Windows 11 settings
Snipping Tool	snap shot of part of screen
Solitaire & Casual Games	solitaire games
Sound Recorder	audio recording program
Sticky Notes	notes on the desktop
Terminal	command-line interface (CLI) based tool
Tips	Windows 11 tips in categories
Weather	real-time weather forecasts
Windows Backup	backup up files using Microsoft OneDrive
Windows Security	default Windows 11 security
Windows Tools	a folder that contains tools for and advanced users
Xbox	for playing xbox games

**1.1 BILLION**

WEBSITES ON  
THE INTERNET



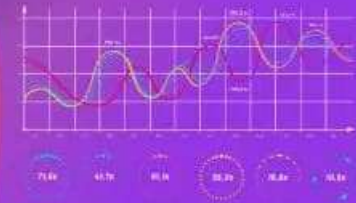
**200 MILLION**

WEBSITES ARE ACTIVE



**252,000**

NEW WEBSITES  
CREATED EVERY DAY



**50 BILLION**

WEB PAGES ARE  
INDEXED ON GOOGLE

**DIGITALSILK**

We Grow Brands Online

## NUMBER OF WEBSITES

Year	Websites	Internet Users	Websites launched	
2018	1,630,322,579			
2017	1,766,926,408			
2016	1,045,534,808			
2015	863,105,652	3,185,996,155		
2014	968,882,453	2,925,249,355		
2013	672,985,183	2,756,198,420		
2012	697,089,489	2,518,453,530		
2011	346,004,403	2,282,955,130		
2010	206,956,723	2,045,865,660	Pinterest, Instagram	
2009	238,027,855	1,766,206,240		
2008	172,338,726	1,571,601,630	Dropbox	
2007	121,892,559	1,373,327,790	Tumblr	
2006	85,507,314	1,160,335,280	Twtrr	
2005	64,780,617	1,027,580,990	YouTube, Reddit	
2004	51,611,646	910,060,180	Thefacebook, Flickr	
2003	40,912,332	778,555,680	WordPress, LinkedIn	
2002	38,760,373	662,663,600		
2001	29,254,370	500,609,240	Wikipedia	
2000	17,087,182	413,425,190	Baidu	
1999	3,177,453	280,866,670	PayPal	
1998	2,410,067	188,023,930	Google	
1997	1,117,255	120,758,310	Yandex, Netflix	
1996	257,601	77,433,860		
1995	23,500	44,838,900	Altavista, Amazon	
1994	2,738	25,454,590	Yahoo	
1993	130	14,161,570		
1992	10			
Aug. 1991	1	World Wide Web Project		

## HISTORY OF MAJOR WEB BROWSERS

1995 – Netscape Navigator and Microsoft Internet Explorer

1996 – Netscape has 86% of market – Microsoft integrates Internet Explorer in Windows Operating system

1996 - Opera is released

1998 - Netscape purchased by America Online

1999 – Internet Explorer has 99% of market – Netscape open sources its product creating Mozilla

2002 – Mozilla releases Firefox

2003 – Apple Safari released

2004 - Internet Explorer has 92% of market

2008 – Google Chrome released

2013 - Internet Explorer has 11.8% of market

2015 - Windows 10 release – Microsoft Edge is default browser, Samsung Internet released

### Web Browser Market Share

#### August 2025

Google Chrome	69.2%
Apple Safari	15.0%
Microsoft Edge	5.0%
Mozilla Firefox	2.3%
Samsung Internet	2.0%
Opera	1.9%
Other	4.7%

## HISTORY OF SEARCH ENGINES

1994 – infoseek

Yahoo! Search

WebCrawler

Lycos

1995 – LookSmart

Excite

AltaVista

AOL buys WebCrawler

Netscape begins using Infoseek as default search

1996 – BackRub – beginning of Google

HotBot

AskJeeves – Ask.com

1997 – Excite buys out WebCrawler

1998 – MSN Search

Google launches

1999 – AOL selects Google as a search partner

2008 - DuckDuckGo

2009 – Bing – Microsoft rebrands MSN Search

2011 - Baidu

2014 – Firefox selects Yahoo Search as default search

2015 – Bing is default search in Microsoft Edge

2019 - Yandex

### Search Engine Market – December 2024

Google	90.0%
Bing	3.9%
Yandex	2.4%
Yahoo!	1.2%
Baidu	0.8 %
DuckDuckGo	0.8%
Other	0.9%

## 2025 PC SECURITY PACKAGE RANKINGS

<b>Toms Guide</b>	<b>techradar</b>	<b>PC Mag</b>
1 Norton 360 Deluxe	1 Bitdefender Total Security	1 Bitdefender Internet Security
2 Bitdefender Premium Security	2 Norton 360 Deluxe	2 Norton 360 Deluxe
3 McAfee Total Protection Ultimate	3 Avast One	3 McAfee+
4 Trend Micro Premium Security Suite	4 Trend Micro Maximum Security	3 Avast One Platinum
5 ESET Smart Security Premium	5 McAfee Total Protection Multi-Device	4 ESET Internet Security
6 <b>Kaspersky Total Security</b>	6 BullGuard Premium Protection	5 Trend Micro Maximum Security
	7 Antivirus Prime	6 Avira Prime
	8 ESET Smart Security Premium	
	9 Webroot Internet Security Plus	

<b>Toms Guide</b>	<a href="https://www.tomsguide.com/best-picks/best-internet-security-suites">https://www.tomsguide.com/best-picks/best-internet-security-suites</a>
<b>techradar</b>	<a href="https://www.techradar.com/news/best-internet-security-suites">https://www.techradar.com/news/best-internet-security-suites</a>
<b>PC Mag</b>	<a href="https://www.pcmag.com/picks/the-best-security-suites">https://www.pcmag.com/picks/the-best-security-suites</a>

**Techradar Editors note:** Kaspersky Total Security Anti-Virus used to appear on this list. Considering the current climate however, we've taken the decision to remove the provider. Although much of the company's core processes are now take place in Switzerland, the fact that its headquarters remain in Moscow and there have been previous allegations around government coercion, it feels prudent to use the provider with caution. And, when there are so many other excellent providers to choose from, it's impossible to whole-heartedly recommend Kaspersky at this time.

# SEARCH ENGINE vs. WEB BROWSER

## What is a Web Browser?

A browser, or web browser, is a software application that works as an intermediate between the user device and a web server. It allows you to access and retrieve information from the internet, and displays web pages, images, videos, and other files that a user requests on a webpage.

Browsers let users navigate between pages using hyperlinks and have built-in search features to find information. What's more, they allow you to bookmark your favorite or the most important websites for quick future access. They also have security features to prevent malware and phishing and employ various extensions, allowing users to configure the web browser according to their preferences.

The most popular web browsers include Google Chrome, Mozilla Firefox, Apple Safari, Microsoft Edge, and Opera.

## What is a Web Search Engine?

A search engine is a software application that allows people to find information on the World Wide Web using keywords and phrases. It scans the internet according to the provided criteria and displays a line of results called search engine results pages.

Search engines use web crawlers and spiders to access web pages, images, or videos. These results are ranked to provide the most relevant information, focusing on how up-to-date the content is, its relevance to your query, and the backlinking count.

The most popular and trusted search engines are Google, Bing, Yahoo Search, and DuckDuckGo.