

WINDOWS 10 / 11 CLASS – FIRST HANDOUT

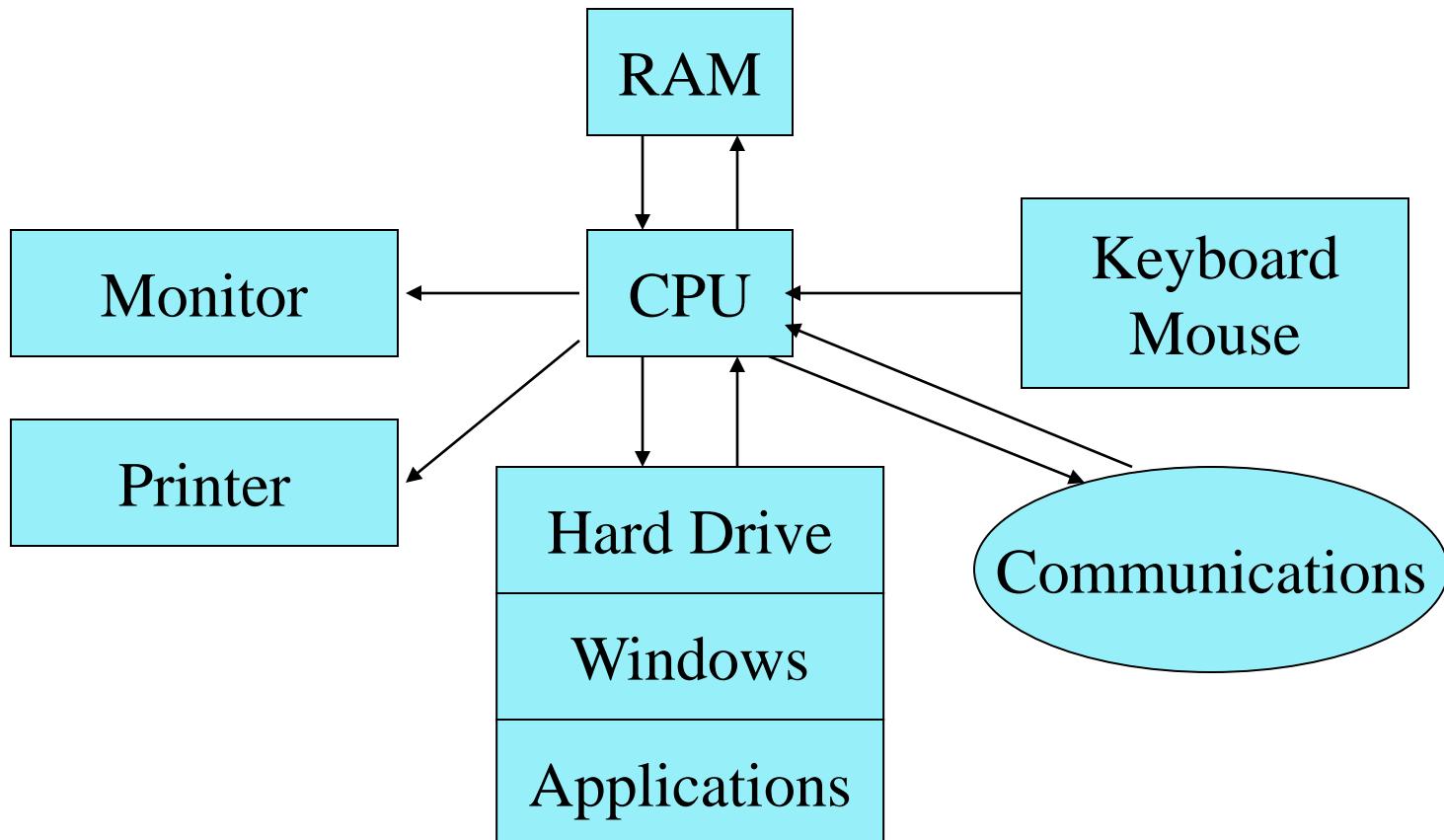
TABLE OF CONTENTS:

- 1. WINDOWS 10 / 11 CLASS SCHEDULE**
- 2. PC DIAGRAM**
- 3. MEMORY AND DRIVE CAPACITIES**
- 4. WHAT IS A KILOBYTE**
- 5. ORIGINAL IBM PC PICTURE**
- 6. HISTORY OF IBM PC**
- 7. INTERNET WEBSITES BY YEAR**
- 8. HISTORY OF INTERNET BROWSERS**
- 9. HISTORY OF INTERNET SEARCH ENGINES**
- 10. WINDOWS 11 VS. WINDOWS 10**
- 14. 2023 PC SECURITY PACKAGE RANKINGS**
- 15. WINDOWS 11 APPS**

WINDOWS 10 / 11 SCHEDULE

Week	Chapter	Title	WIN 10 Pages	WIN 11 Pages
1	2, 3	Getting Started	24-27, 36, 42-43, 46, 62, 92, 124	24-26, 30, 38-39, 42, 58, 88, 120
2	2, 4	Basic Control, Task View, Snap	37-38, 90-91, 94-108, 119	31, 86-87, 90-102, 115
2	5	Customizing the appearance of Windows 10	83, 110-115, 120	78, 104-111, 116
3	3	Intro to Apps	72-89, 170-178, 204-206	68-83, 166-174, 202-204
3	9	Intro to Internet browsing, Microsoft Edge App	182-188	178-185
4	10	Mail App, People App, ??	196-199, 202-203	192-195, 200-204
5	handout	Selecting - Copy, Cut, Paste	--	--
6	handout	Files / Folders	--	--
6	6	File Explorer	126-144	122-140
7	7	Creating folders, Selecting/Grouping, Copy/Move files, Rename, Delete	146-162	142-158
8	8	Working with photos and music from your desktop	170-173	166-169
8	12	Maintenance, Security, Backup	220-227, 230-232	220-227, 230-232
		https://keithhering.org/classes/		

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:

$$2^0 = 1 \quad 2^1 = 2 \quad 2^2 = 4 \quad 2^3 = 8 \quad 2^4 = 16 \quad 2^5 = 32 \quad 2^6 = 64$$

$$2^7 = 128 \quad 2^8 = 256 \quad 2^9 = 512 \quad 2^{10} = 1024$$

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 its 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 its Personal Computer division to Lenovo		
	TOP 6 PC MANUFACTURERS		
RANK	MANUFACTURER	2020 MARKET SHARE	
1	Lenovo	24.99%	
2	HP	21.20%	
3	Dell	16.40%	
4	Apple	8.20%	
5	Asus	6.00%	
6	Acer	5.90%	
	Others	17.40%	

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	Twttr	
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 Explorer in Windows Operating system

1996 - Opera is released

1998 - Netscape purchased by America Online

1999 – Internet Explorer has 99% of market – Netscape opens 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 – September 2020

Google Chrome	66.3%
Apple Safari	16.8%
Mozilla Firefox	4.1%
Samsung Internet	3.2%
Microsoft Edge	2.6%
Opera	2.1%

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 – September 2020

Google 92.3%

Bing 2.8%

Yahoo! 1.6%

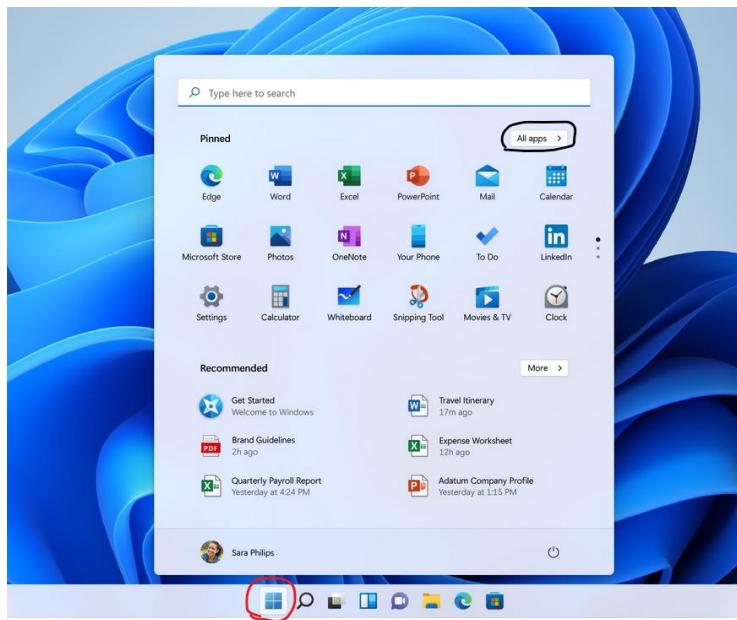
Baidu 1.1%

DuckDuckGo 0.5%

Yandex 0.5%

WINDOWS 11 VS. WINDOWS 10

WINDOWS 11



START BUTTON (circled in red) –

Positioned at middle of Task Bar

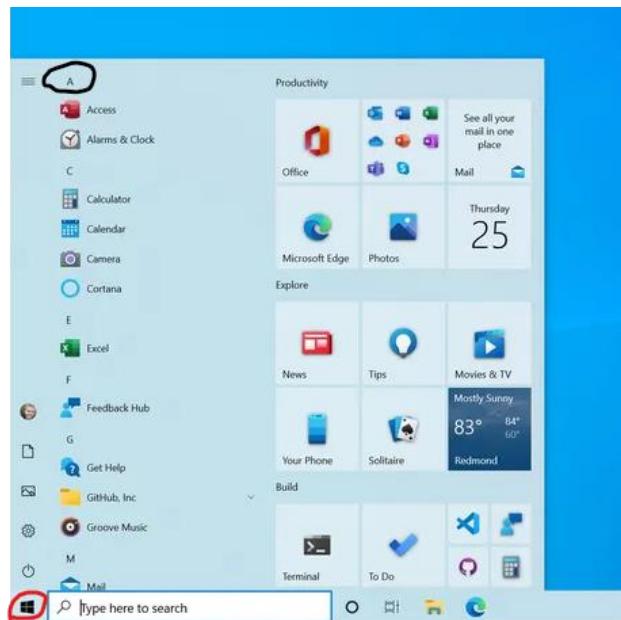
Left Click will display Start Menu

START MENU

Display has 5 horizontal sections:

1. Search box
2. All Apps link (circled in black)
3. Pinned programs
4. Recommended programs
5. Important links

WINDOWS 10



START BUTTON (circled in red) –

Positioned at left end of Task Bar

Left Click will display Start Menu

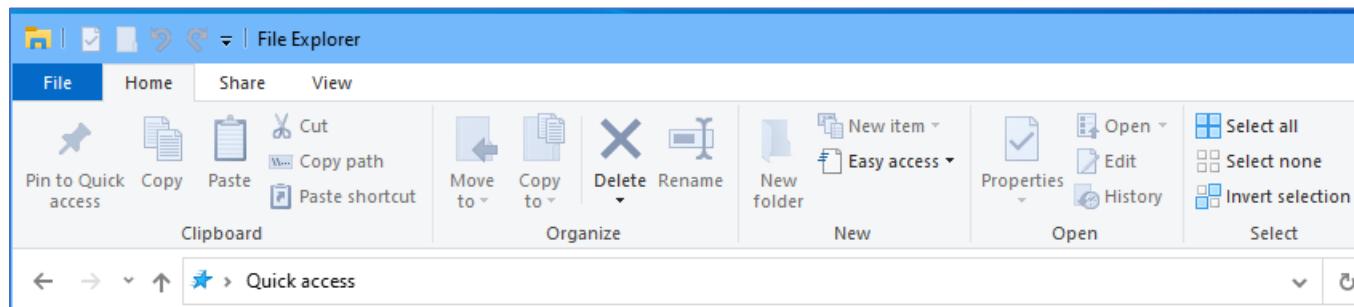
START MENU

Display has 3 vertical sections:

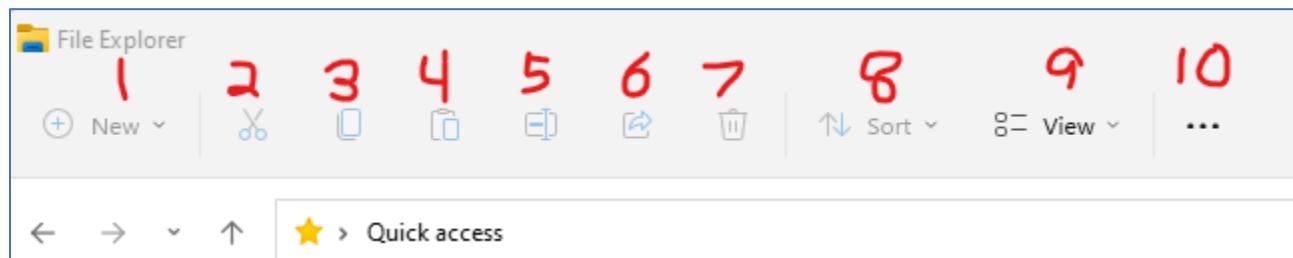
1. Right pane - List of “Tiles” which are icons used to open programs
2. Middle pane - List of “All Apps (Programs)”
3. Left pane – List of important links

WINDOWS 11 VS. WINDOWS 10

FILE EXPLORER – WINDOWS 10



FILE EXPLORER – WINDOWS 11



1 – Create a New Item – only on FOLDER SELECTION

6 - Share

2 - Cut

7 - Delete

3 - Copy

8 - Sort

4 - Paste

9 - View

5 - Rename

10 – See More – varies by SELECTION

WINDOWS 11 VS. WINDOWS 10

WINDOWS 11

File Explorer -
... "See More"

This PC Selection

- Add a network location
- Map network drive
- Disconnect network drive
- Properties
- Options

Folder Selection

- Undo
- Burn to disc
- Compress to ZIP file
- Pin to Quick access
- Copy path
- Select all
- Select none
- Invert selection
- Properties
- Options

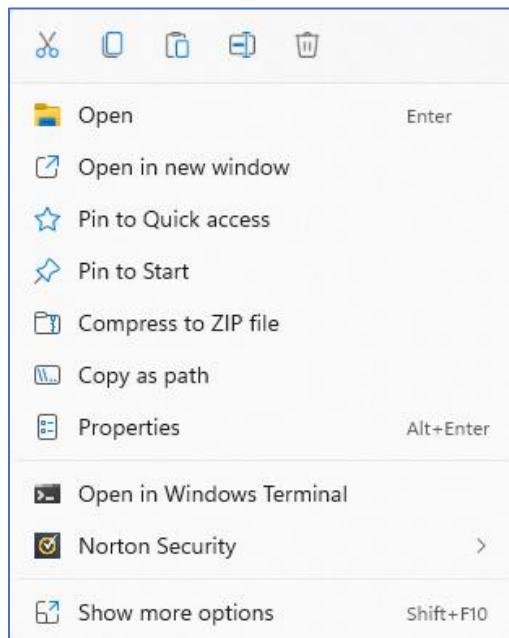
File Explorer – New

- Folder
- Shortcut
- Microsoft Access Database
- Bitmap image
- Microsoft Word Document
- Microsoft Access Database
- Microsoft PowerPoint Presentation
- Adobe Photoshop Elements Image
- Microsoft Publisher Document
- Text Document
- Microsoft Excel Worksheet
- Compressed (zipped) Folder

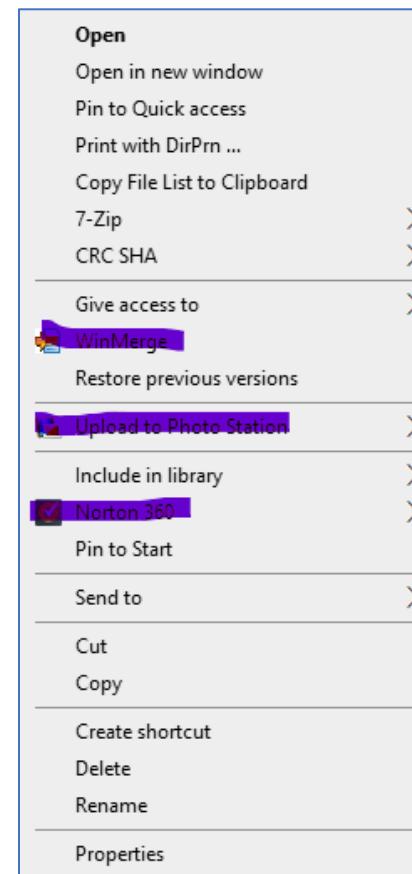
WINDOWS 11 VS. WINDOWS 10

File Explorer pop-up window after Right Click on file or folder

Windows 11



Windows 10



2023 PC SECURITY PACKAGE RANKINGS

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

Toms Guide	https://www.tomsguide.com/best-picks/best-internet-security-suites
techradar	https://www.techradar.com/news/best-internet-security-suites
PC Mag	https://www.pc当地.com/picks/the-best-security-suites

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.

WINDOWS 10 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
Get Help	windows help digital assistant
Get Started	
Groove Music	play music, online music purchases
Mail	online Mail facility – add your accounts
Maps	access to online maps (similar to Google Maps)
Media Player	play music and videos
Microsoft Edge	internet browser (replaces Internet Explorer)
Microsoft Store	access Windows Store
Movies and TV	play videos, online movie purchases
News	real-time news
OneDrive	Microsoft online "Cloud" file storage - needs Microsoft account
Paint	drawing program
Phone Link	access photos, messages, apps, calls
Photos	view, edit, and organize your photos
Settings	all Windows 10 settings
Snip & Sketch	snap shot of part of screen
Solitaire & Casual Games	solitaire games
Sound Recorder	
Sticky Notes	notes on the desktop
Tips	Windows 10 tips in categories
Weather	real-time weather forecasts
Windows Security	default Windows 10 security