# PC Maintenance

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# Types of Maintenance

- Boot Speed
- Computer Maintenance



# Boot Speed

- Number of Programs Loading
  - msconfig
  - CCleaner
  - Revo Uninstaller



## • Download from Site

See handout

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## • Double click the Revo icon



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• Click on Tools Button

### Click on Autorun Manager Button

installer Wir	Holows Tools Hunter Mode Options Run Kill Remove H	lelp Upgrade to Pro-\$14.99	
A	Startup Name	Launch Path	Description
8	Location : All Users Startup		
Autorun Manager	S SpyderUtility.Ink	C:\Program Files (x86)\Datacolor\SpyderXPro\Utility\	(c)2018 Datacolor
	Location : Registry: HKCU Run		
lunk Files Cleaner	🚺 🗹 Plex Media Server	"C:\Program Files (x86)\Plex\Plex Media Server\Plex	Plex Media Server
<u>- 1</u>	EPSON Artisan 830 Series	C:\windows\system32\spool\DRIVERS\x64\3\E_IATIGX	EPSON Status Monitor 3
Vindows Tools	Location : Registry: HKCU RunOnce		
5	Delete Cached Update Binary	C:\WINDOWS\system32\cmd.exe /q /c del /q "C:\Use	Windows Command Processor
Browsers Cleaner	Delete Cached Standalone Update Binary	C:\WINDOWS\system32\cmd.exe/q/c del/q "C:\Use	Windows Command Processor
23	Uninstall 19.222.1110.0006\amd64	C:\WINDOWS\system32\cmd.exe /q /c rmdir /s /q "C	Windows Command Processor
osoft Office Cleaner	Charles Uninstall 19.222.1110.0006	C:\WINDOWS\system32\cmd.exe /q /c rmdir /s /q "C	Windows Command Processor
2	Location : Registry: HKLM 32bit Run		
Vindows Cleaner	A TruelmageMonitor.exe	C:\Program Files (x86)\Acronis\TruelmageHome\True	Acronis True Image 2019
	AcronisTibMounterMonitor	C:\Program Files (x86)\Common Files\Acronis\TibMo	Acronis TIB Mounter Monitor
vidence Remover	APSDaemon	"C:\Program Files (x86)\Common Files\Apple\Apple	Apple Push
	C17A	C:\WINDOWS\twain_32\Brimc17a\Common\TwDsUiL	
recoverable Delete	CC4 ControlCenter4	C:\Program Files (x86)\ControlCenter4\BrCcBoot.exe	ControlCenter Launcher



• Uncheck to Remove from Start

## • Right Click to Google

🗋 Revo Uninsta	aller 2.1.1		– 🗆 X
Uninstaller A	dows pps	lp Upgrade to Pro-\$14.99	
	Startup Name	Launch Path	Description
8	Location : All Users Startup		
Manager	SyderUtility.Ink	C:\Program Files (x86)\Datacolor\SpyderXPro\Utility\	(c)2018 Datacolor
	🖃 Location : Registry: HKCU Run		
Junk Files Cleaner	🜔 🗹 Plex Media Server	"C:\Program Files (x86)\Plex\Plex Media Server\Plex	Plex Media Server
<u></u>	EPSON Artisan 830 Series	C:\windows\system32\spool\DRIVERS\x64\3\E_IATIGX	EPSON Status Monitor 3
Windows Tools	Location : Registry: HKCU RunOnce		
5	Delete Cached Update Binary	C:\WINDOWS\system32\cmd.exe /q /c del /q "C:\Use	Windows Command Processor
Browsers Cleaner	Delete Cached Standalone Update Binary	C:\WINDOWS\system32\cmd.exe /q /c del /q "C:\Use	Windows Command Processor
28	Image: Uninstall 19.222.1110.0006\amd64	C:\WINDOWS\system32\cmd.exe/q/c rmdir/s/q "C	Windows Command Processor
Microsoft Office Cleaner	C Uninstall 19.222.1110.0006	C:\WINDOWS\system32\cmd.exe /q /c rmdir /s /q "C	Windows Command Processor
<b>E</b>	🖃 Location : Registry: HKLM 32bit Run		
Windows Cleaner	A 🗹 TruelmageMonitor.exe	C:\Program Files (x86)\Acronis\TruelmageHome\True	Acronis True Image 2019
8	✓ ✓ AcronisTibMounterMonitor	C:\Program Files (x86)\Common Files\Acronis\TibMo	Acronis TIB Mounter Monitor
Evidence Remover	APSDaemon	"C:\Program Files (x86)\Common Files\Apple\Apple	Apple Push
	C17A	C:\WINDOWS\twain_32\Brimc17a\Common\TwDsUiL	
Unrecoverable Delete	<c4 I ControlCenter4</c4 	C:\Program Files (x86)\ControlCenter4\BrCcBoot.exe	ControlCenter Launcher
	■		►
Items: 51 Enab	led: 34		

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# **Computer Maintenance**

- Unused Programs
- Remove Junk
- Disk Maintenance
- Disk Fragmentation



# •<u>Unused Programs</u>

- Windows Control Panel
  - Programs and Features
- CCleaner
- Revo Uninstaller



## • Double click the icon



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- Select a program to Uninstall
- Right Click to Google



SLIDE 11



# •<u>Remove Junk</u>

- Windows Disk Cleanup
- CCleaner
- Revo Uninstaller



# •Windows Disk Cleanup

- Start in Windows 7
  - Start->All Programs->Accessories->System Tools->Disk Cleanup
- Start in Windows 8 & 10
  - Click on This PC icon
  - Right Click on Local Disk (C:)
  - Click on Properties
  - Click on "Disk Cleanup" button

💺 Windows (C:	) Properties			×
Security	Previo	us Versions	Quota	
General	Tools	Hardware	Sharing	
٩.	Windows			
Type:	Local Disk			
File system:	NTFS			
Used space	e: 75,023	,556,608 bytes	69.8 GB	
Free space	: 431,442	,841,600 bytes	401 GB	
Capacity:	506,466	,398,208 bytes	471 GB	
		)		
	Dr	ive C:	Disk Cleanup	
Compress th Allow files or file properties	is drive to save d n this drive to hav s	lisk space ve contents index	ed in addition to	
	OK	Cancel	Apply	

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# •Windows Disk Cleanup

- If "Clean up System files" button is shown
- Click on it

🔚 Disk Cleanup for Windows (C:)		×
Disk Cleanup		
You can use Disk Cleanup to free up to 515 space on Windows (C:).	MB of disk	
<u>Files to delete:</u>		
Downloaded Program Files	0 bytes	^
🗹 🔒 Temporary Internet Files	7.20 MB	
Windows error reports and feedback di	8.82 MB	
🗹 📄 DirectX Shader Cache	2.07 MB	
Delivery Optimization Files	63.6 MB	¥
Total amount of disk space you gain:	515 N	IB
Description		- 1
Downloaded Program Files are ActiveX controls and downloaded automatically from the Internet when yo pages. They are temporarily stored in the Download Files folder on your hard disk.	d Java applets ou view certai led Program	n
Clean up <u>s</u> ystem files	<u>V</u> iew Files	
ОК	Cano	el



# •Windows Disk Cleanup

- Check <u>all</u> boxes then Click OK
- Click Delete Files

🔚 Disk Clean	up for Windows (C:)		×
Disk Cleanup	More Options		
You space	can use Disk Cleanup to free up to 515 ce on Windows (C:).	MB of disk	
Files to delete	e:		
🔽 🖆 Wind	dows upgrade log files	116 KB	~
🗹 🔤 Dow	nloaded Program Files	0 bytes	
🗹 🔒 Tem	porary Internet Files	7.20 MB	
🗹 📄 Wind	dows error reports and feedback di	9.06 MB	
Direc	ctX Shader Cache	2.07 MB	¥
Total amount Description Windows u identify and installation, difficult to tr	of disk space you gain: pgrade log files contain information that I troubleshoot problems that occur during upgrade, or servicing. Deleting these fil roubleshoot installation issues.	515 M can help Windows es can make	it
	ОК	Cano	cel
Disk Cle	anup		×

Disk Cleanup	×
Are you sure you want to permanently delete these files?	
Delete Files Cancel	

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- Download from Site
  - See handout

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# • In Easy Clean Click on Analyze







## • Click on Clean All button

🖇 CCleaner - F	REE FOR HOME USE				-	
	CCleaner Free v5.63.7540 (64-bit)	Windows 10 64-bit AMD Ryzen 5 2600 Six-Core Processor, 16.0G	3 RAM, Radeon RX 580 Series			Ò
Easy Clean	🖒 Start Over		✓ Analysis Complete			
Custom <u>C</u> lean		3290 Track	to be safely removed from y	of Junk		
Registry						
<u>r</u> ools		3290 Trackers		1403 MB of Junk		
1 Upgrade			Clean All			
					Ched	c for updates





- Select Registry then "Scan for Issues"
- Click on "Fix selected issues..."
- Select not to Backup Registry
- Select "Fix All Selected Issues"

🟂 CCleaner - FRE	E FOR HOME USE			- 🗆 X	:
	CCleaner Free Windows 10 64-b (5.63.7540 (64-bit) AMD Ryzen 5 260	it )0 Six-Co	re Processor, 16.0GB RAM, Rade	con RX 580 Series	
Easy Clean Custom Glean Registry Tools Options	<ul> <li>Registry Cleaner</li> <li>Missing Shared DLIS</li> <li>Unused File Extensions</li> <li>ActiveX and Class Issues</li> <li>Type Libraries</li> <li>Applications</li> <li>Fonts</li> <li>Application Paths</li> <li>Help Files</li> <li>Installer</li> <li>Obsolete Software</li> <li>Run At Startup</li> <li>Start Menu Ordering</li> <li>MUI Cache</li> <li>Sound Events</li> <li>Windows Services</li> </ul>	<b>X X X X X X X X X X X X X X X X X X X </b>	Problem Unused File Extension Unused File Extension Unused File Extension Unused File Extension Unused File Extension Unused File Extension Invalid Default Icon Invalid Default Icon Open with Application Issue Open with Application Issue Invalid Default Icon Open with Application Issue Open with Application Issue	Data  Carv - crvfile	ò
		* * *	Open with Application Issue Open with Application Issue Open with Application Issue Open with Application Issue	C: Program Files (Adobe Photoshop Elements 2020)PhotoshopElementsEditor.exe <sup>-</sup> %1 <sup>-</sup> "C: Program Files (Adobe Photoshop Elements 2020)PhotoshopElementsEditor.exe <sup>-*</sup> %1 <sup>-</sup> "C: Program Files (Adobe Photoshop Elements 2020)PhotoshopElementsEditor.exe <sup>-*</sup> %1 <sup>-*</sup>	
		< <u>S</u> са	n for Issues	Fix selected Issues Check for updates	
					.::

SLIDE 19



# • Disk Fragmentation

- Windows Defragment Program
  - Not Complete
- Defraggler



# •<u>Defraggler</u>

- Download from Site
  - See handout



# •<u>Defraggler</u>

## Double Click Defraggler Icon



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# • Disk Maintenance

- Start in Windows 7
  - Click on Computer icon
- Start in Windows 8
  - Click on File Explorer icon
- Windows 10 see Slide 26



### •<u>Disk Maintenance (cont)</u> <u>Windows 7 & 8</u>

- Right Click on Local Disk (C:)
- Click on Properties
- Click on "Tools" Tab
- Click on "Check now' button
- Check both boxes

occurry	Previo	Quota	
General	Tools	Hardware	Sharing
Error-checking This c	) option will <mark>c</mark> hecł	the drive for errors.	
Y		Che	ck now
Defragmentati	on		
This of	ption will defrag	gment files on the driv	e.
		<u>D</u> efragme	nt now
Backup			
This o	ption will back	up files on the drive.	
		<u>B</u> ack	up now



## • Disk Maintenance (cont)

- Click on Schedule disk check
- Reboot
- Disk will be checked

Note: this can take a long time





### •<u>Disk Maintenance (cont)</u> <u>Windows 10</u>

- Type cmd into the Search Box
- Right Click on "Command Prompt"
- Select "Run as Administrator"
- Type chkdsk /r /f /b c:
- Type Y
- Type exit to close box
- Reboot to check disk

Note: this can take a long time



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#### PC Maintenance Class Handout

#### **Revo Uninstaller**

http://www.revouninstaller.com/start\_freeware\_download.html

Follow instructions

#### **<u>CCleaner</u>**

Download Free version from CCleaner.com

https://www.ccleaner.com/ccleaner/download

Click on Download at the bottom of the FREE column Start install Click Customize Uncheck Add 'Run CCleaner' option to Recycle Bin Context menu Uncheck Add 'Open Ccleaner...' option to Recycle Bin Context menu Click Install Uncheck View release notes Click Run Ccleaner

#### <u>Defraggler</u>

Download Free version from CCleaner.com

#### https://www.ccleaner.com/defraggler/download

Click on Download at the bottom of the FREE column Start install Uncheck "Install Google Chrome" in lower corner Click on Customize Uncheck Add Defraggler menus to Windows Explorer Uncheck Replace Windows Disk Defragmenter Click Install Uncheck View release notes Click Run Defraggler