Step 1: Click on wireless bars on the bottom right hand tray. When menu comes up, select "Open Network and Sharing Center.



Step 2: When the window pops up, choose "Manage Wireless Networks"



Step 3: If you see multiple networks listed, delete anything that does not state "WCISD". "WCISD Student" is no longer an option on our network, so this should be deleted as well.

and reorder (2)		
Security: WPA2-Enterprise	Type: Any supported	Automatically cor
Click "WO	CISD STUDENT" to be given the opt	ion to delete
Security: WPA2-Enterprise	Type: Any supported	Automatically cor
	Click "WC	Click "WCISD STUDENT" to be given the opt Security: WPA2-Enterprise Type: Any supported

The options along the top will change once you click on WCISD Student. Click "Remove".



You will be prompted to confirm deletion. Click on Yes.



Step 3: You may also delete "WCISD" and re-create it to verify it is set up with the correct settings. If "WCISD" is not listed, you will have to create it by clicking on "ADD". The following will show you how to set up the wireless settings in order to add the WCISD network.

they have been	
G v Manage Wireless Networks	 4) Search Manage Wireless Networks
Manage wireless networks that use (Wireless Network Con	nection)
Windows tries to connect to these networks in the order listed below.	
Add Adapter properties Profile types Network and Sharing Center	0
\checkmark	

Once you have clicked add, the following screen will pop up:



Choose the option to manually create a network profile.

The following screen will pop up

Manually connect to a	a wireless network				
Enter information f	or the wireless network you want to add				
Network name:					
Security type:	[Choose an option]				
Encryption type:					
Security Key:	Hide characters				
Start this connecti	Start this connection automatically				
Connect even if th	Connect even if the network is not broadcasting				
Warning: If you se	lect this option, your computer's privacy might be at risk.				
	Ne	ext Cancel			

Youwill then enter the information as follows:

Enter information	for the wireless network you want to add
Network name:	WCISD
Security type:	WPA2-Enterprise
Encryption type:	AES •
Security Key:	Hide characters
Start this connect Wignect even if t Warning: If you s	ion automatically he network is not broadcasting effect this option, your computer's privacy might be at risk.

Type in WCISD under Network Name, choose WPA2-Enterprise under security type (it will automatically select AES as Encryption type, leave it as is.) You will then choose the checkbox next to "Connect even if the network is not broadcasting". Click on Next and you will receive the following screen:

💮 📲 Mar	nually connect to a wireless network	
Succe	ssfully added WCISD	
•	$C\underline{h}ange$ connection settings Open the connection properties so that I can change the settings.	
		Close

Click on "Change connection settings", the following screen will appear:



Remove the check mark under "Remember my credentials for this connection each time I'm logged on". Next, click on the "Security" tab and you will see this screen:

WCISD Wireless Network Properties				
Connection Security				
S <u>e</u> curity type: E <u>n</u> cryption type:	WPA2-Enterprise	v		
Choose a network authentication method: Microsoft: Protected EAP (PEAP) Settings Reprember my credentials for this connection each there I'm logged on				
Advanced settings				
		DK Can	cel	

Verify that "Microsoft: Protected EAP (PEAP)" is chosen with the checkbox to "Remember my credientials for this connection each tgime I'm logged on" and click on Settings. The following box will appear.

Protected EAP Properties	×
When connecting: Walidate server certificate Connect to these servers:	
Trusted <u>R</u> oot Certification Authorities:	
AAA Certificate Services	<u> </u>
C Raiz Certicámara S.A.	
AC RAIZ DNIE	
ACRAIZ HIMI ROM	
Actalis Authentication CA G1	-
	•
Do not grompt user to authorize new servers or trusted certification authorities.	
Select Authentication Method:	
Secured password (EAP-MSCHAP v2) Confi	gure
V Enable Fast Reconnect	
Enforce Network Access Protection	
Disconnect if server does not present cryptobinding TLV	
Enable Identity Privacy	
OK G	ancel

"Validate server certificate" MUST BE UNCHECKED IN ORDER FOR THE WIRELESS TO WORK. Everything else should be left as default. This is what your screen should look like before you click "OK":

Protected EAP Properties
Verify this is NOT checked.
Trusted Root Certification Authorities:
AAA Certificate Services AC Raiz Certicatera S.A. AC RAIZ DNIE AC RAIZ DNIE AC RAIZ DNIT
ACEDICOM Root ACNLB Actals Authentication CA G1
Do not grompt user to authorize new servers or trusted certification authorities.
Select Authentication Method:
Enable East Reconnect Enforce Network Access Protection Disconnect if server does not present cryptobinding TLV Enable [dentity Privacy
OK Cancel

Clicking OK will return you back to the Properties screen. Select "Advanced Settings"

WCISD Wireless Networ	k Properties	X
Connection Security		
S <u>e</u> curity type: E <u>n</u> cryption type:	WPA2-Enterprise AES	
Chgose a network aut Microsoft: Protected Remember my creative time I'm logged on	thentication method: EAP (PEAP)	
	OK Ca	incel

The following screen will pop up. You will then check the boxes for "Specify authentication mode:" and "Enable single sign on for this network".

dvanced settings	×		
802.1X settings 802.11 settings			
Specify authentication mode:			
User or computer authentication	▼ Save gredentials		
Delete credentials for all users			
Enable <u>single</u> sign on for this netwo	ork		
Perform immediately before use	er logon		
Perform immediately after user	logon		
Maximum delay (seconds):	10		
Allow additional dialogs to be displayed during single sign on			
This network uses separate virt	This network uses separate virtual LANs for machine		
and user addrendeadon			
ſ	OK Cancel		
L. L			

Your screen should now look like this (you will not need to make any additional changes on this screen):

Advanced settings			
802. 1X settings 802. 11 settings			
Specify authentication mode:			
User or computer authentication Save gredentials			
Delete credentials for all users			
Enable single sign on for this network			
Perform immediately before user logon			
Perform immediately after user logon			
Maximum delay (seconds): 10			
Allow additional dialogs to be displayed during single sign on			
This network uses separate virtual LANs for machine and user authentication			
OK Cancel			

Click on the tab that says "802.11 settings", the screen will now open up to those settings:



The only changes you will need to make on this screen is to check the box next to "This network uses preauthentication" and change the number from 3 to 5. Your settings should now look like this:

Advanced settings	×
802.1X settings 802.11 settings	
Fast roaming	
Enable Pairwise Master Key (PMK) caching	
PMK time to live (minutes):	720 🚖
Number of entries in PMK cache:	128 🚖
This network uses pre-authentication	
Maximum pre-authentication attempts:	5
Enable Federal Information Processing Standar compliance for this network	ds (FIPS)
ОК	Cancel

Click "OK".

WCISD Wireless Network Properties			
Connection Security			
Security type:	WPA2-Enterprise 🔹		
Encryption type:	AES		
Choose a network authentication method:			
Microsoft: Protected EAP (PEAP)			
Remember my credentials for this connection each			
une innogged on			
Advanced settings			
	OK Ca	ancel	

Click "OK".

WCISD Wireless Network Properties			
Connection Security			
S <u>e</u> curity type: E <u>n</u> cryption type:	WPA2-Enterprise		
Choose a network authentication method: Microsoft: Protected EAP (PEAP) Settings Remember my credentials for this connection each time I'm logged on			
Advanced settings			
	······		
OK Cancel			

Click "Close"

attl Mar	ually connect to a wireless network	
Succe	ssfully added WCISD	
•	$C_{\mbox{h}ange}$ connection settings Open the connection properties so that I can change the settings.	
		Close

You have successfully updated the wireless settings! Any student or staff who has a district username and password can now log in to the laptop without having to plug in the blue cord.