

ST. PAUL'S SCHOOL Secure Wireless Portal Configuration

Windows 7 - Faculty, Staff & Student Systems

St. Paul's School has recently updated the campus wireless systems to support secure encrypted wireless connections. This was done to provide a level of network protection to our campus users when they attached to the campus wireless network. It also limits the ability of outsiders to connect to the campus network, lessens opportunities for unauthorized "sniffing" of network traffic, and helps to prevent credential gathering and account compromise. The following instructions will help you attach securely to the campus wireless network. You need only perform these steps once and your computer will retain them.

1. Click the Windows Orb and choose Control Panel



- 2. Within the Network and Internet Category choose View network status and tasks
- 3. In the dialog box that appears you'll want to click the link for Manage Wireless Networks.



- 4. Select Add at the top of the wireless networks listing
- 5. Select Manually create a network profile and filling the following fields





Network Name: SPS-Secure (Note: It is case sensitive) Security type: WPA2-Enterprise

Encryption type: AES

- ☑ Start this connection automatically
- ☑ Connect even if the network is not broadcasting

ഷി Manually connect to	a wireless network	2 families	
Enter information	for the wireless netwo	ork you want to add	
N <u>e</u> twork name:	SPS-Secure		
Security type:	WPA2-Enterprise	•	
Encryption type:	AES	•	
Se <u>c</u> urity Key:		<u>H</u> ide characte	ers
☑ Start this connect	tion automatically		
Connect even if	the network is not broadcasti	ng	
Warning: If you	select this option, your comp	uter's privacy might be at risk.	
			Next Cancel

6. Click Next and you'll be notified if you successfully created the wireless profile. In that dialog box you'll need to select **Change Connection Settings**



On the Security Tab select the **Settings** button and \Box **Uncheck the Validate server certificate** and press the **Select Authentication Method** button and choose **Secured password (EAP-MSCHAP v2)** and click the Configure... button

	Protected EAP Properties
SPS-Secure Wireless Network Properties	When connecting: Validate server certificate Connect to these servers: Trusted Root Certification Authorities:
Chgose a network authentication method: Microsoft: Protected EAP (PEAP) Remember my credentials for this connection each time I'm logged on	AddTrust External CA Root Class 3 Public Primary Certification Authority COMODO Certification Authority DigiCert High Assurance EV Root CA Entrust.net Certification Authority (2043) Entrust.net Secure Server Certification Authority Equifax Secure Certificate Authority
Advanced settings	Do not grompt user to authorize new servers or trusted certification authorities. Select Authentication Method: Secured password (EAP-MSCHAP v2)
OK Cancel	Enable East Recensect Enforce Network Access Protection Disconnect if server does not present cryptobinding TLV Enable Identity Privacy OK Cancel

- 7. If this is a school owned computer ☑ Automatically use my Windows logon name and password (and domain if any).
 If it is NOT a school owned computer □ Automatically use my Windows logon name and password (and domain if any).
- 8. Choose **Ok**, then **OK** again.
- Select Advanced Settings and ✓ check Specify Authentication Mode and choose USER Authentication from the pop-up.
- 10. Choose **Ok**, then **OK** again.
- 11. Choose **Close** and **Close** the Network Connections Window.

	When connecting:
y	Automatically use my Windows logon name and password (and domain if any).
	OK Cancel
	OK Cancel
vance	d settings
vance 302.1	d settings
Vance 802.1	ed settings (settings 802.11 settings Specify authentication mode:
vance 302.1	ed settings

That's it you should now be securely connected to the campus wireless network.

If you have questions or difficulty completing these steps you can contact or visit the IT Techshop located in the lower level of Schoolhouse and we will assist in the configuration.

Contact the IT Helpdesk

Email: <u>Helpdesk@sps.edu</u> Phone: from on campus dial Ext. 2000 Off campus dial 229-5698