

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. Select Join Other Network... from the Airport Status



- 2. Fill in the following information
 - a. Network Name: SPS-Secure
 - b. Security: WPA2 Enterprise
 - c. Username: <your SPS username>
 - d. Password: <your SPS password>
 - e. 802.1X: Automatic
 - f. Press the Join button

(the name is case sensitive)

(after selecting WPA2 Enterprise, the additional fields will appear) (example: juser)

Enter the name Enter the name enter the passwo	ne of the network. of the network you want to join, and then ord if necessary.
Network Name:	SPS-Secure
Security:	WPA2 Enterprise
User Name:	
Password:	
802.1X:	Automatic
	Semember this network
Show Networks	Cancel Join

3. Select Open Network Preferences... from the Airport Status

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AirPort: On Turn AirPort Off		
√SPS-Schoolhouse Languages		((t· ((t·
Devices A9F1BDF1DAB1NVT4F4F59		((:-
Join Other Network Create Network		
Open Network Preferences		

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4. Select the Airport Adapter if necessary and Select Advanced...

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Show All		٩
L	ocation: Automatic	\$
• AirPort Self-Assigned IP	Status: On	Turn AirPort Off
Ethernet	AirPort has the s 169.254.209.18 connect to the le	elf-assigned IP address 9 and will not be able to nternet.
● FireWire 🍲	Network Name: SPS-Secure	\$
	✓ Ask to join Known networl If no known ne be asked befor 802.1X: WPA: SPS-Sec	new networks s will be joined automatically. tworks are available, you will e joining a new network. ure Connect
+ - *-	☑ Show AirPort status in menu bar	Advanced ?
Click the lock to preve	nt further changes. Assist me	Revert Apply

5. From the Airport Tab, Select the SPS-Secure Network and drag it to the top.

AirPort	TCP/	IP D	NS	WINS	802	2.1X	Proxies	Etherne
Pref	erred N	etwork	s:					
Net	work Nar	me				Secu	irity	
SPS	S-Secure	2				WP/	A2 Enterpri	ise 🕥
SPS	Dorm					Nor	ie	
SPS	S-Schoo	lhouse				Nor	ie	Ă
dlir	nk					WEP	Password	Ŧ
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۵irP	ort ID:	58:b0):35:	61:f3:f4	ţ.			

6. From the **802.1X** Tab, Select **SPS-Secure** and Uncheck 🗖 all but **PEAP**

AirPort	TCP/IP	DNS	WINS	802.1	X P	roxies	Ethernet)
User Profiles				-				
SPS-Secure			User	Name:	juser			
			Pass	word:	•••••	•		
				(Alwa	ays pror	npt for pass	word
		1	Authentio	ation:	Enable	Protoco	bl	
						TTLS		(T
					\checkmark	PEAP		
						TLS		4
						EAP-F.	AST	Ŧ
				[Confi	igure]	
				(Config	ure Trust	
		Wir	eless Ne	twork:	SPS-Se	ecure		•
· _			Security	Type: (WPA2	Enterp	rise	÷
							Const	6

7. Choose **OK** and **Apply** and then Quit out of System Preferences dialog.

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 Note: If you are prompted each time you turn on / reconnect to the network for your password:

1. Select Open Network Preferences... from the Airport Status



Authenticating to network "SPS-Secure"
Please enter your name:
juser
Please enter your password:
Cancel OK

2. Select the Airport Adapter if necessary and Select Advanced...



3. From the **802.1X** Tab, Select the **SPS-Secure** Network and click to check **V** the Always prompt for password.



4. Click OK until you are completely out and reboot. Repeat steps 1-3 but click to Uncheck the Always prompt for password. Click OK until you are completely out and reboot. This time when you are prompted for the password should be the last time.

** For Mac OSX 10.7.2 follow these steps prior to configuring SPS-Secure.

- 1. Reboot
- 2. Open Keychain Access [Select Go> Utilities> Keychain Access]
- 3. Open Keychain Preferences [Select Keychain Access>Preferences]
- 4. Choose Certificates Tab and change the following settings
 - a. Online Certificate Status Protocol (OCSP) OFF
 - b. Certificate Revocation List (CRL) OFF
- 5. Quit Keychain Access
- 6. Reboot

