Configuring Windows XP SP2 for Avondale’s Wireless Network.

Windows is not the easiest OS to set up with our wireless network compared with other OS’s. Please follow these instructions carefully and ignore any pop-up messages unless indicated.

Avondale’s wireless network only supports 802.11g (54Mbit). The older 802.11b and 802.11a will not work. Devices that are b/g compatible should work.

After checking that XP SP2 is installed (or 2000 SP4), open the network control panel.

Right-click on the wireless network connection and select “properties”. Click on the “Wireless Networks” tab.

Remove “Avondale” if it is already in the list then click “Add…”
Enter “Avondale” as the SSID and change authentication to WPA. Data encryption should be “AES”. If only TKIP is shown you may need to update your wireless drivers – refer to the manufacturer’s website of your wireless card.
Change the EAP type to PEAP
Uncheck “Authenticate as computer when computer information is available”
Click Properties
Change the Authentication method to EAP-MSCHAP v2. Turn off “Validate server certificate” for student machines.
Press “Configure”

Turn this option off for student machines (leave on for domain members)

Press OK 2 times.
If you use other wireless networks, adjust the order with the “Move up” and “Move down” buttons. You will probably want to set “Avondale” as the first on the list.

Click on the Connection tab
Go back to the main connection properties.

Under the Advanced tab (if it is there) ensure Internet Connection Sharing is off.
Turn off File & Print sharing for students and ensure TCP/IP is all on Auto.
Check proxies are set as required for the wired network (auto detect)

When first in range it will pop-up asking for credentials, students must enter their s00000 style username, password and “AVONDALE” for the domain.
When first browsing to a web page, you will see a page stating your computer is not fully registered. Following the instructions to automatically complete the registration of your computer.

Note that since the network is connected per-profile, new user profiles may need to check the settings and re-authenticate. We need to test this behaviour.

It is important that the Avondale username and password of the computer’s owner are used otherwise unpredictable things may happen.

There may be problems if you to use wired and wireless at the same time. If you want to use wired in a wireless area, wireless should be switched off or disabled.

Wired connections are superior to wireless in terms of reliability and speed. Wireless might not work as well during rain, storms, near microwave ovens or cordless phones.

Wired outlets are available in the Ella Boyd computer room, Andre laptop room (if it exists) and the library. Do not connect to other outlets as it may disable that outlet.