BEVILL STATE COMMUNITY COLLEGE
ALL CAMPUSES

Configuring Student Laptop for Wireless Connectivity

Affected Systems:
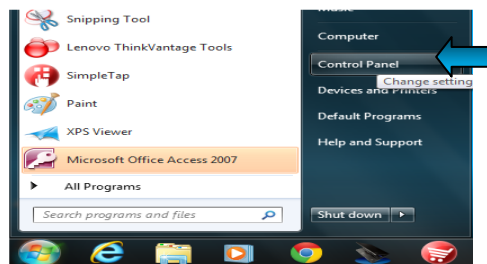
Windows 7

1. Enable the computers' wireless networking service. (NOTE: This may be a switch or software that turns on the wireless card.)

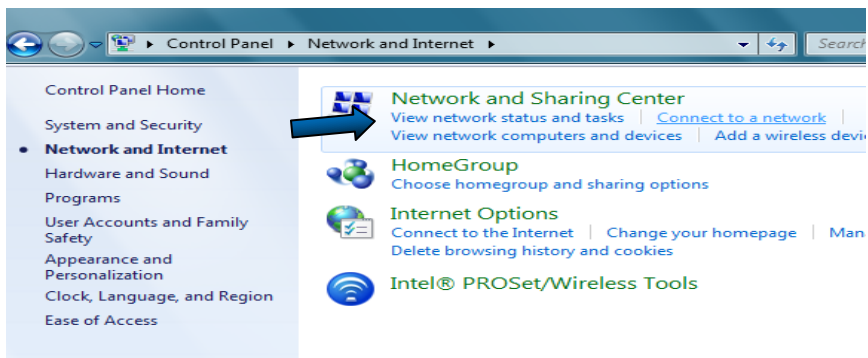**2. Open Wireless Connections:**

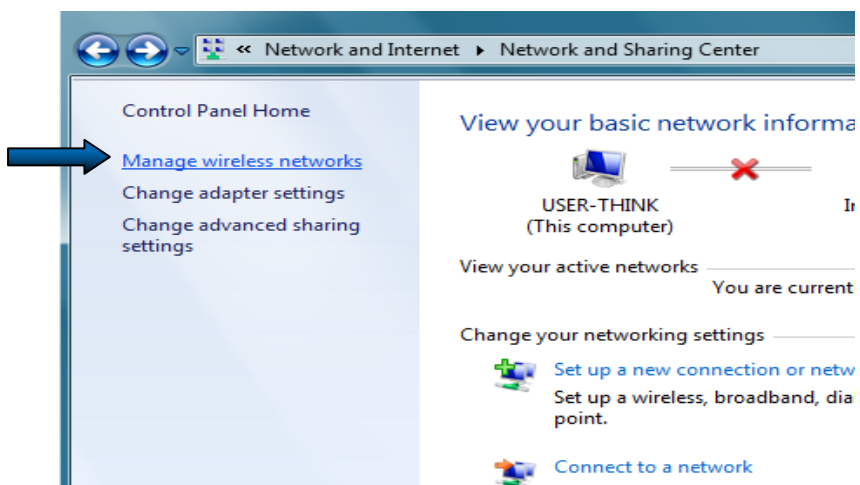**Click Windows 7 Start Menu**

Select Control Panel

Select "Network and Internet"
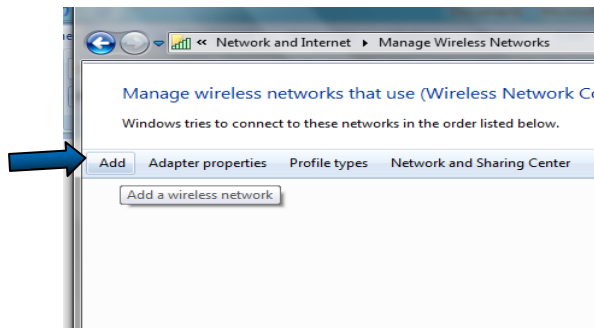
Select "View network status and task"

Select "Manage wireless networks"

Under "Manage Wireless Networks"

Click on the "Add" button

Click on "Manually create a network profile"

Manually connect to a wireless network

How do you want to add a network?

Manually create a network profile
This creates a new network profile or locates an existing network and saves a profile for the network on your computer. You need to know the network name (SSID) and security key (if applicable).

Enter information for the wireless network you want to add:

Network name: bevill_access

Manually connect to a wireless network

Enter information for the wireless network you want to add

A network name contains 1~32 case-sensitive characters

Network name: bevill_access

Security type: [Choose an option]

Encryption type:

Security Key: Hide characters

☐ Start this connection automatically

☐ Connect even if the network is not broadcasting
   Warning: If you select this option, your computer's privacy might be at risk.

Security type: WPA2-Enterprise

Encryption type: AES

Place a check in box in the following: "Start this connection automatically" and "Connect even if the network is not broadcasting"

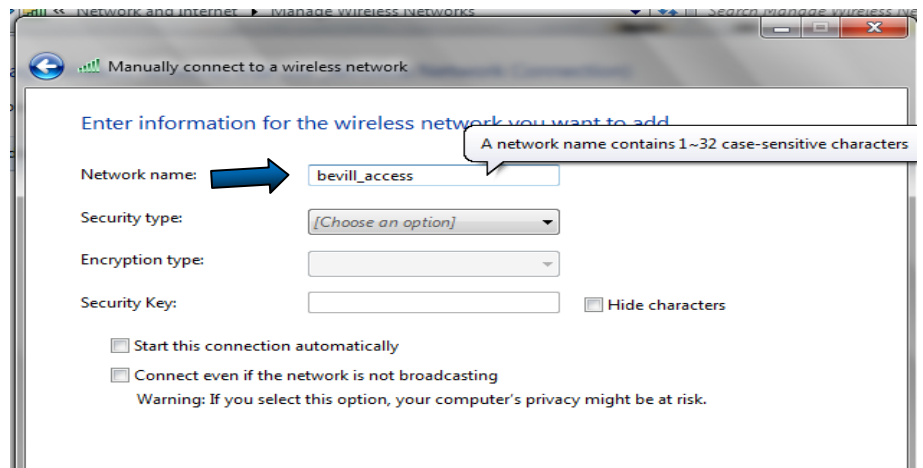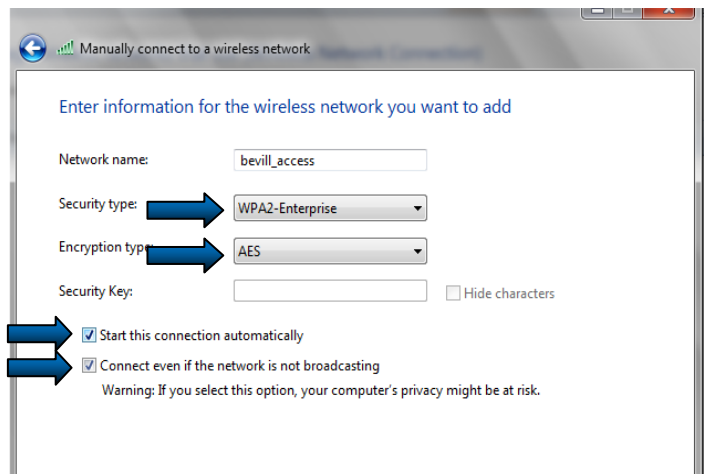Manually connect to a wireless network

Enter information for the wireless network you want to add

Network name: bevill_access

Security type: WPA2-Enterprise

Encryption type: AES

Security Key: Hide characters

☑ Start this connection automatically

☑ Connect even if the network is not broadcasting
   Warning: If you select this option, your computer's privacy might be at risk.

Click "Next"

Enter information for the wireless network you want to add

Network name: bevill_access

Security type: WPA2-Enterprise
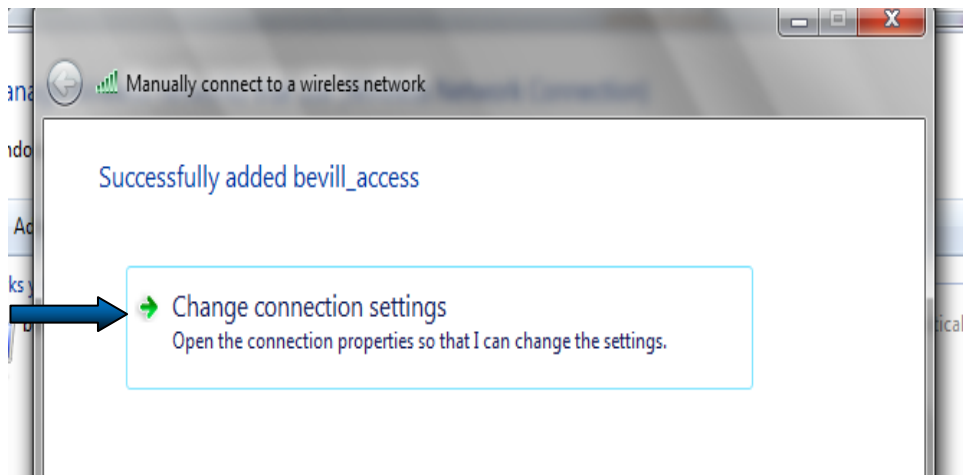
Encryption type: AES

Security Key: ☐ Hide characters

      ☑ Start this connection automatically

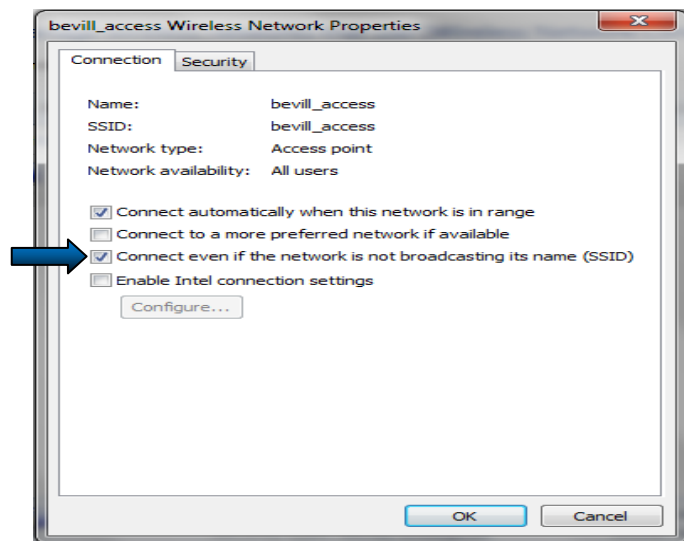   ☑ Connect even if the network is not broadcasting
           Warning: If you select this option, your computer's privacy might be at risk.

[Next]   [Cancel]

Click "Change connection settings"

⬅ 📶 Manually connect to a wireless network

Successfully added bevill_access

➡ **Change connection settings**
Open the connection properties so that I can change the settings.


On the "bevill_access Wirless Network Properties" page under the "Connection" Tab

Place a check in box: "Connect even if the network is not broadcasting its name (SSID)"

bevill_access Wireless Network Properties

| Connection | Security |

Name: bevill_access
SSID: bevill_access
Network type: Access point
Network availability: All users

☑ Connect automatically when this network is in range
☐ Connect to a more preferred network if available
☑ Connect even if the network is not broadcasting its name (SSID)
☐ Enable Intel connection settings
     [Configure...]

[OK]   [Cancel]

Click on the "Security" tab at the top of the "bevill_access Wireless Network Properties" page

Click on the "Advanced settings" button
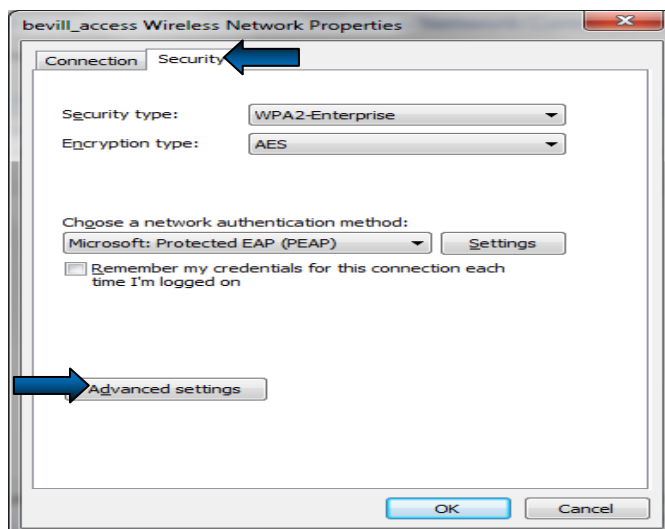
On the "Advanced settings" page under the "802.1x settings" tab

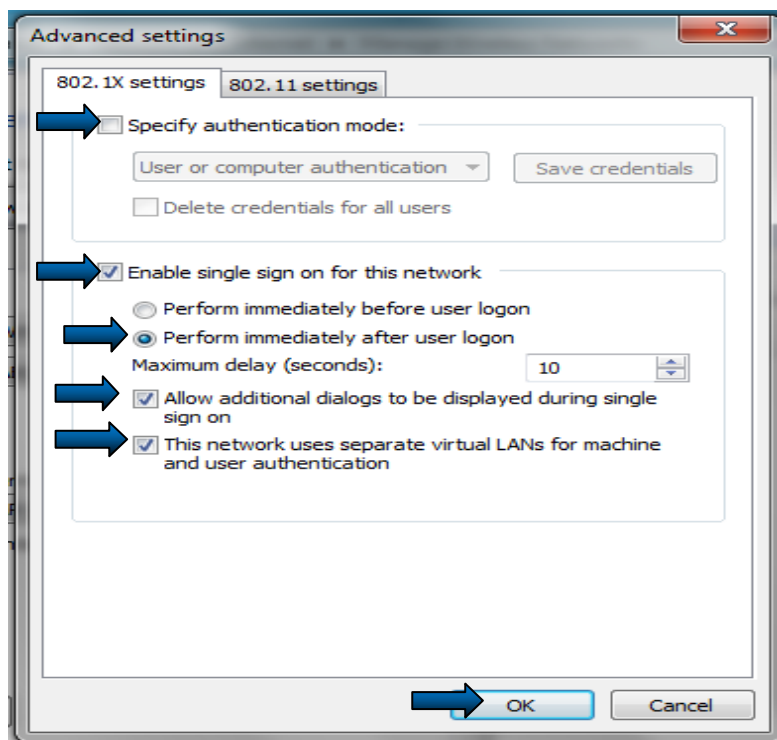Uncheck the box "Specify authentication mode:"

Check the box "Enable single sign on for this network"

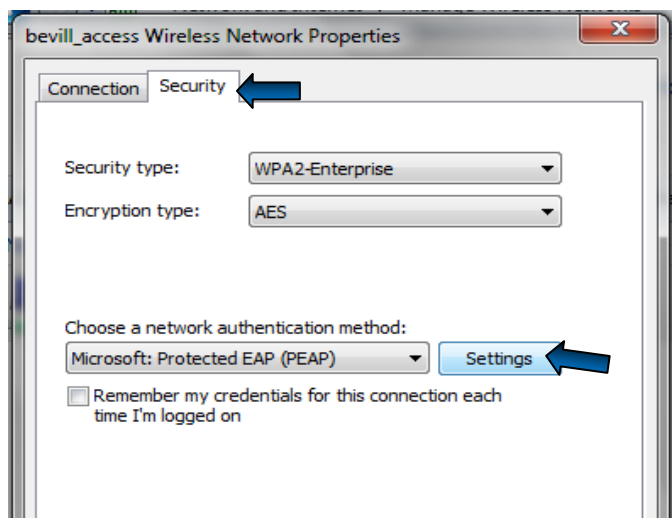Bullet "Perform immediately after user logon"

Check the box "Allow additional dialogs to be displayed during single sign on"

Check the box "This network uses separate virtual LANs for machine and user authentication"

Click "OK"

Now you should be back on the "bevill_access Wireless Network Properties" page

Click the "Security" tab

See "Choose a network authentication method: Microsoft: Protected EAP (PEAP)" click the "Settings" button

bevill_access Wireless Network Properties

Connection | Security

Security type: WPA2-Enterprise

Encryption type: AES

Choose a network authentication method:

Microsoft: Protected EAP (PEAP) | Settings

☐ Remember my credentials for this connection each time I'm logged on
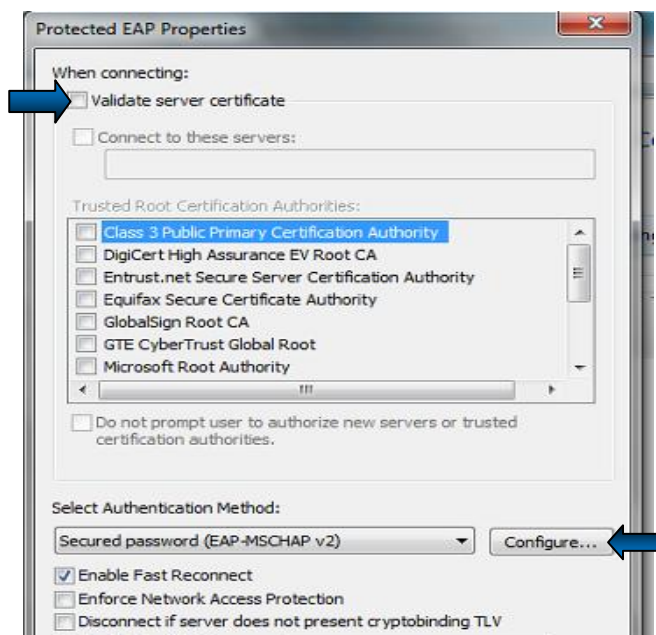
On the "Protected EAP Properties" page

Uncheck the box "Validate server certificate"

**Below you will see "Select Authentication Method: Secured password (EAP-MSCHAP v2)"**

Click on the "Configure" button

Protected EAP Properties

When connecting:

☐ Validate server certificate

☐ Connect to these servers:

Trusted Root Certification Authorities:

☐ Class 3 Public Primary Certification Authority
☐ DigiCert High Assurance EV Root CA
☐ Entrust.net Secure Server Certification Authority
☐ Equifax Secure Certificate Authority
☐ GlobalSign Root CA
☐ GTE CyberTrust Global Root
☐ Microsoft Root Authority

☐ Do not prompt user to authorize new servers or trusted certification authorities.

Select Authentication Method:

Secured password (EAP-MSCHAP v2) | Configure...

☑ Enable Fast Reconnect
☐ Enforce Network Access Protection
☐ Disconnect if server does not present cryptobinding TLV
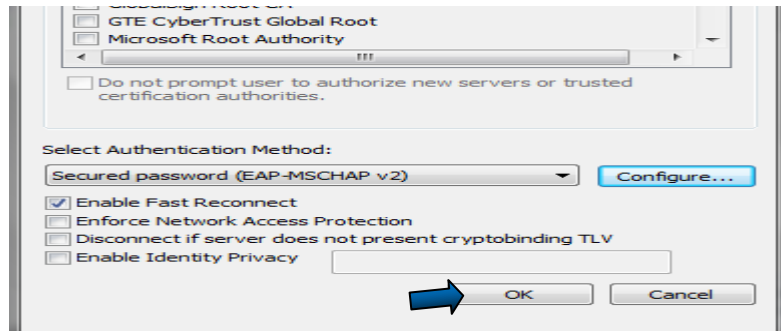
On the "EAP MSCHAPv2
Properties" page

Uncheck the box
"Automatically use my
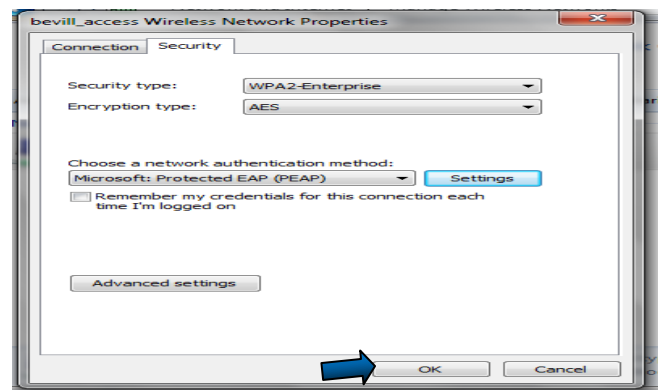Windows logon name and
password (and domain if
any)."

Click "OK"
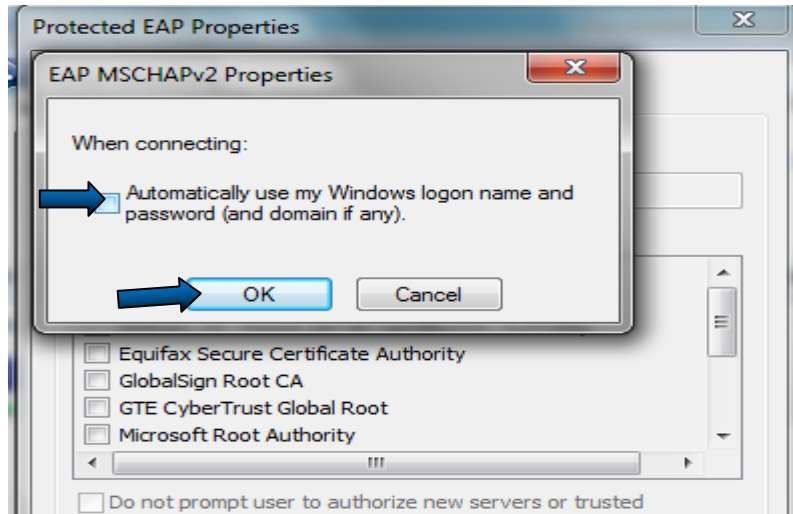
It will take you back
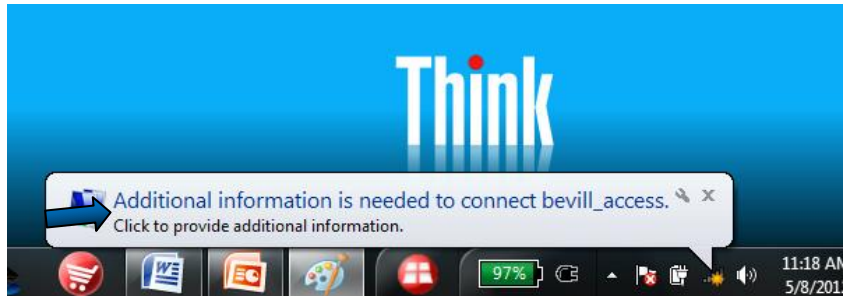to the "Protected
EAP Properties" page

Click "OK

Now you are on the
"bevill_access Wirless
Network Properties" page
Click "OK"

Look for the pop-up on the task bar "Additional information is needed to connect to bevill_access"

Click on the pop-up

After clicking on the "Additional information is needed to connect to bevill_access pop-up"

You will see a "Windows Security" box pop-up

Enter your

User Name: BLACKBOARD ID
Password: STUDENT NUMBER

Click "OK"

You should be able to use the Secure Wireless Network from any BSCC Campus