

How to connect BYOD devices

Wireless access is available to all Black Gold staff and students who wish to use their own personal devices such as a phone, tablet, or laptop. To do so, these devices must connect to the BGSD-BYOD wireless network. This replaced the older BGRS-Public wireless network. Other wireless networks such as BGSD Domain are reserved for division-owned equipment only. Listed below are the steps for connecting your personal device to the BGRS BYOD wireless network.

Please understand that Black Gold staff are not allowed to work on personally-owned equipment, in particular student-owned devices.

Guests from outside Black Gold should use the BGRS-Guest wireless SSID, not BGSD-BYOD.

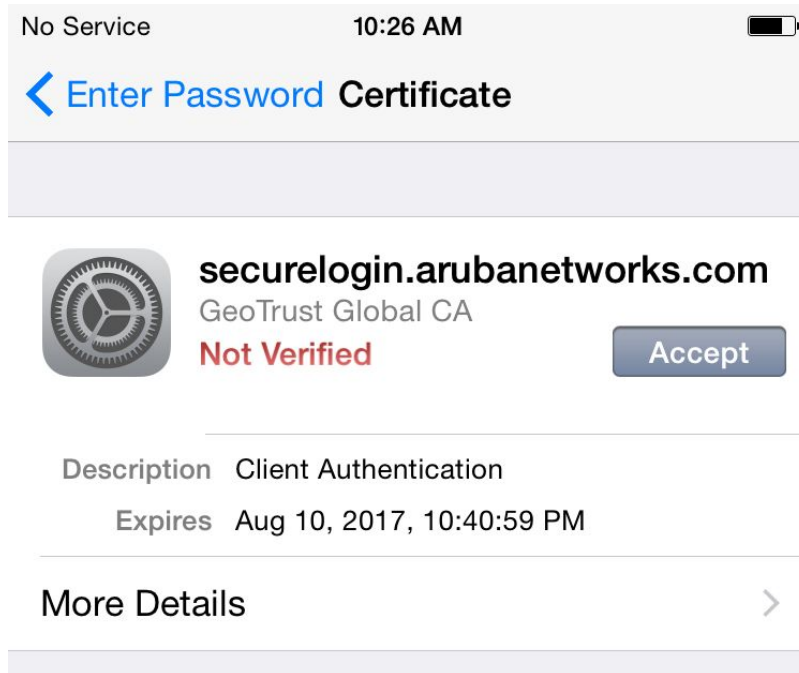
iOS (iPhone, iPad, iPod Touch etc)

- 1) Tap the Settings button.
- 2) Tap the **Wi-Fi** setting.
- 3) Select BGSD-byod from the list of available wireless networks.



4) Enter your username and password (example. john.smith for staff, or johns1234 for students.) Do not enter "@gshare.blackgold.ca" here.

5) You *may* be prompted to accept a certificate. Tap Accept to do so.



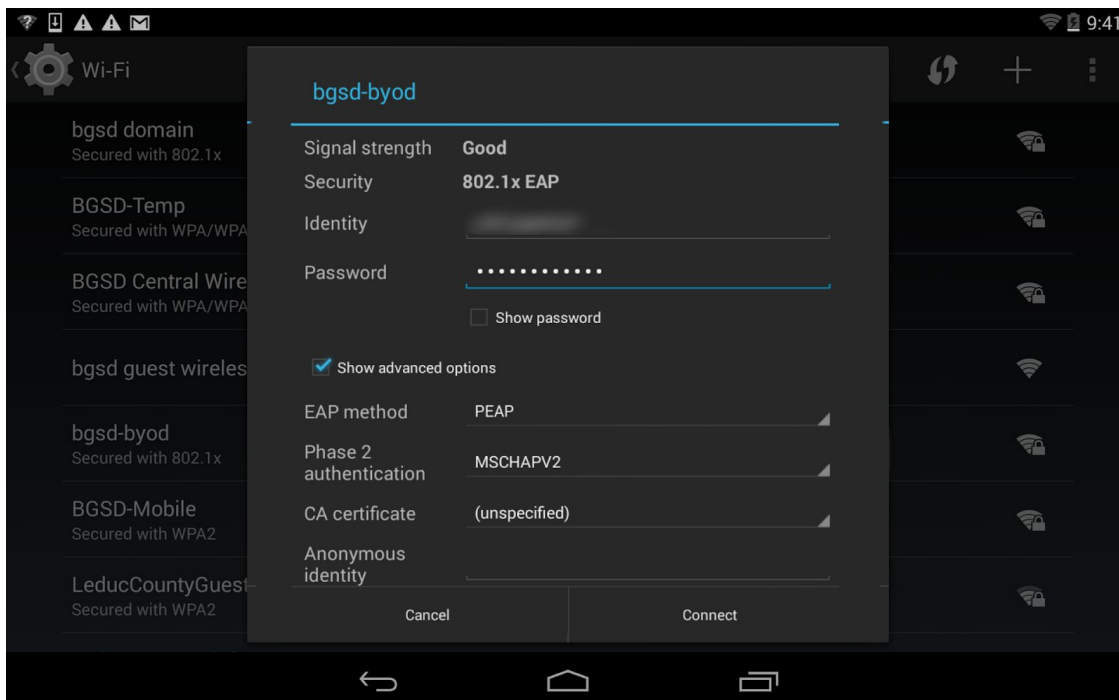
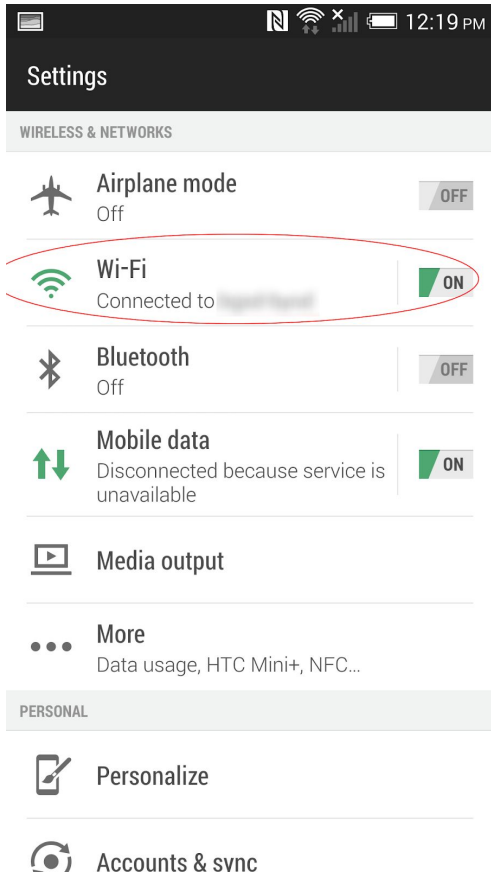
6) You are now connected to the bgsd-byod wireless network and can use Safari, Chrome, etc.

Android

Steps for Android will vary based on version and manufacturer skins & add-ons (eg Samsung TouchWiz, HTC Sense, Nexus stock Android, etc). But the steps are basically the same as shown above.

1) Tap Settings > Wi-Fi > Tap on bgsd-byod. Enter your username and password. Do not enter "@gshare.blackgold.ca" here.

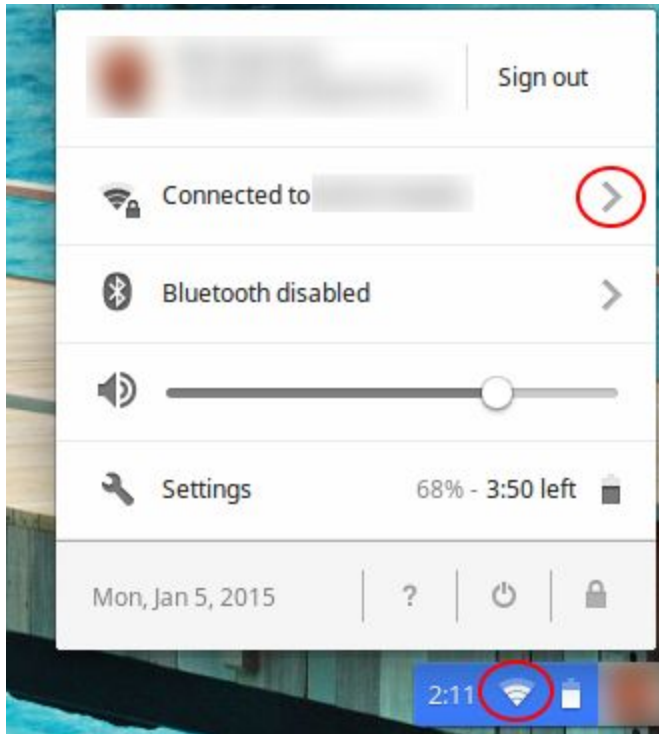
You may need to choose the settings "Show advanced options" and choose "MSCHAPV2" under "Phase 2 authentication" as shown below



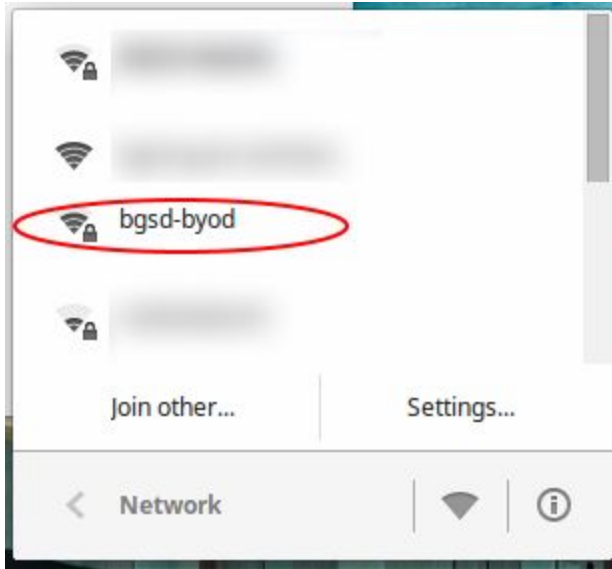
Chrome OS

(For personally-owned ChromeOS devices only. Division-owned Chromebooks are pre-configured before delivery to the school.)

1) Click on the wireless icon on the bottom-right corner of the screen. In the "Connected to wireless network" pane, click the > icon.



2) The list of available wireless networks appears. Click to select bgsd-byod.



3) Enter your username and password. Do not enter "@gshare.blackgold.ca" here.

4) Under "Phase 2 authentication", change from Automatic to MSCHAPv2. Ensure you select "Do not check" under Server CA certificate. Click Connect when done.

Join Wi-Fi network ✕

SSID: bgisd-byod

EAP method: PEAP

Phase 2 authentication: MSCHAPv2

Server CA certificate: Do not check

Subject Match:

User certificate: None installed

Identity:

Password: 👁

Anonymous identity:

Save identity and password

Share this network with other users

Connect **Cancel**

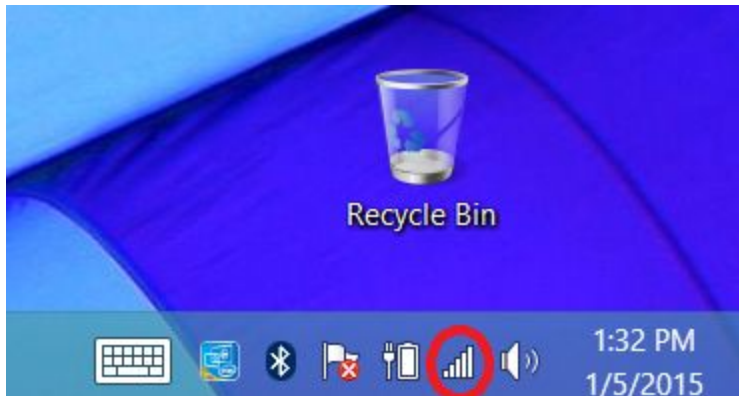
Windows 10

See the steps listed for Windows 8.x below. Note that Windows 10 is still a relatively new release, and some Windows 10 users have had problems connecting to certain BYOD networks. This is a wider issue and not limited to Black Gold's BYOD wireless configuration. If you are unable to connect your Windows 10 laptop to BlackGold's BYOD network, you can try a temporary workaround listed from Microsoft at <https://support.microsoft.com/en-us/kb/3121002>. This involves changing a setting in your Windows registry. Warning: serious problems might occur if you modify the registry incorrectly. Therefore, make sure that you follow the steps in the article carefully. For added protection, back up the registry before you modify it. Then, you can restore the registry if a problem occurs.

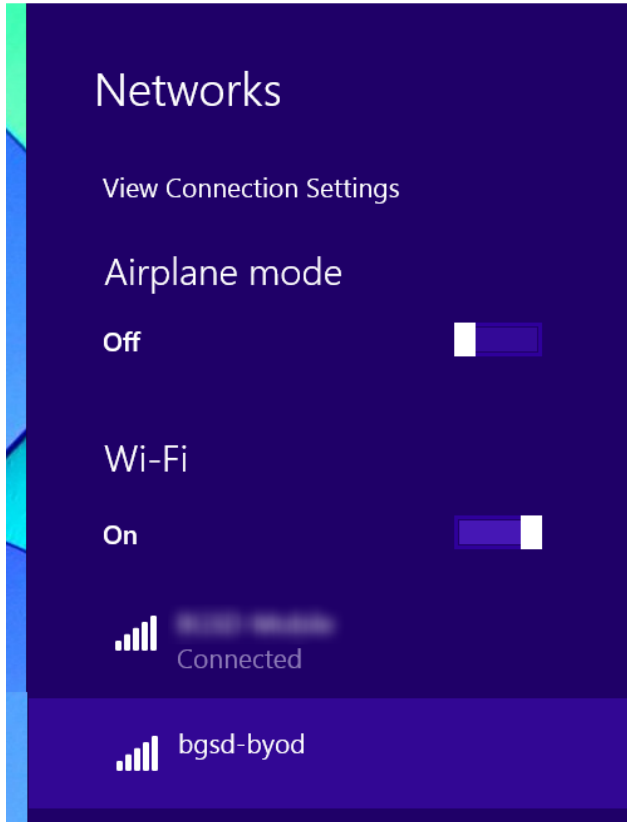
Once connected, if you see an exclamation (!) beside your network connection saying you are not connected to the internet, you may need to restart your PC.

Windows 8.x

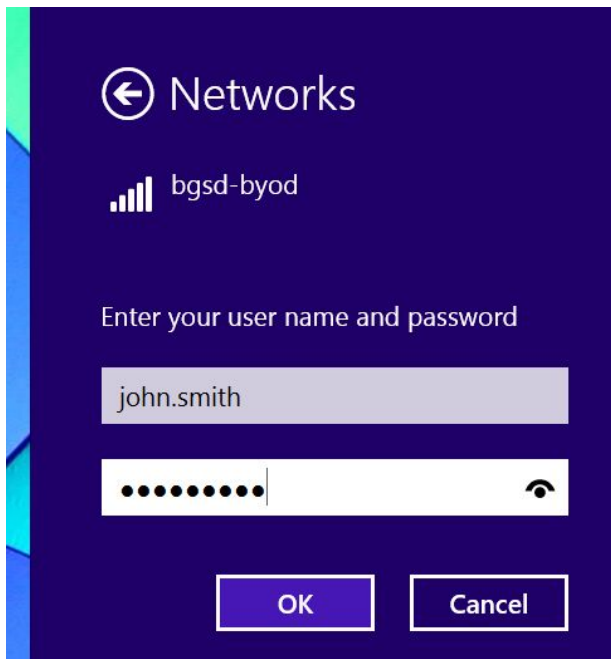
1. On the desktop, click the wireless icon.



2. Select the bgsd-byod wireless network.

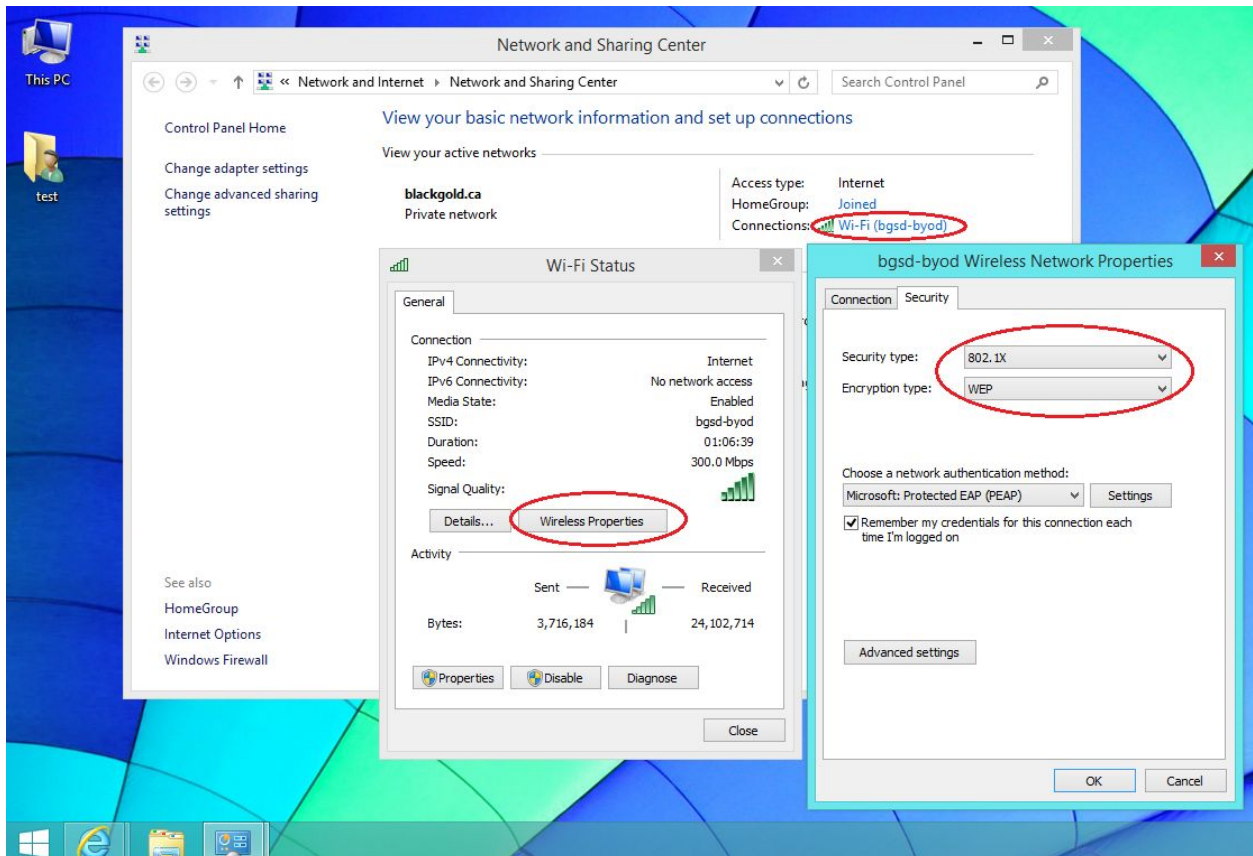


3. Enter your username (firstname.lastname) and password.



4. If Windows reports that it is taking longer than expected to connect, or you end up with a limited connection, you may need to adjust some other network settings.

Go to Control Panel > Network and Sharing Center > Wi-Fi > Wireless Properties > Security tab. Ensure Security type is set to 802.1X and Encryption type is set to WEP. Network authentication method should remain at the default setting of Microsoft Protected EAP (PEAP). Then try connecting again.



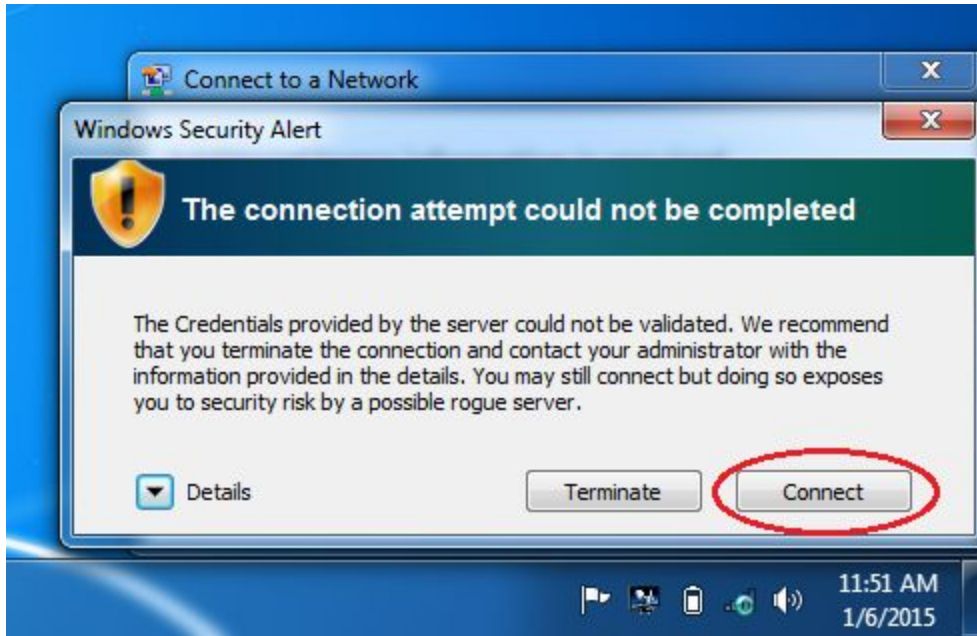
Windows 7

1. On the desktop, click the wireless icon and select bgsd-byod.



2. You'll be prompted to enter your username and password. Do not enter "@gshare.blackgold.ca" here.

3. You may get a Windows Security Alert warning message about the credentials Click to Connect anyway.

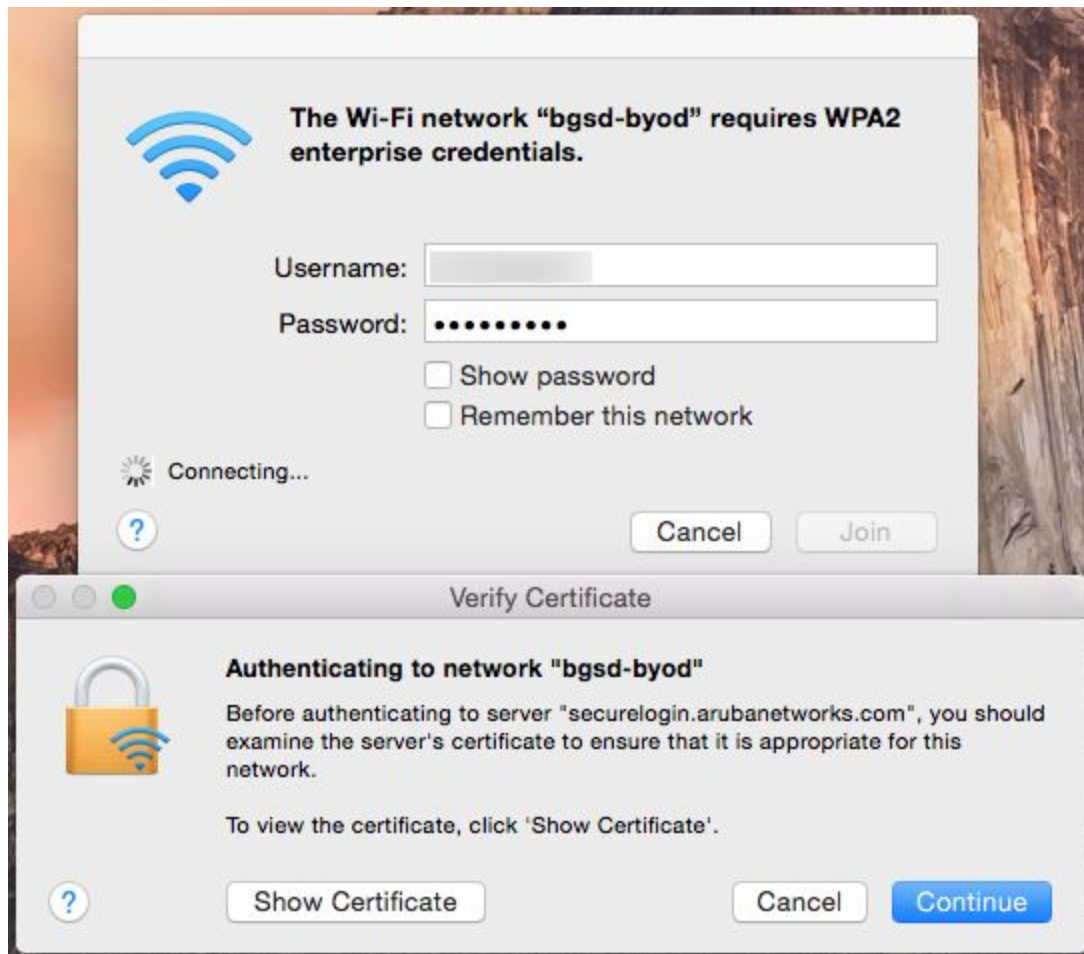


Mac OS X

1. On the desktop, click the wireless icon and select bgsd-byod.



2. Enter your username and password. Do not enter "@gshare.blackgold.ca" here.
3. You may get a security warning message about a certificate. Click Continue.



4. To allow this certificate change, you may be prompted to enter your Mac's user account credentials. This is your local account username/password on your Mac, not your gshare account.

Click Update Settings when done. You will then be connected to the bgsd-byod wireless network.



You are making changes to your Certificate Trust Settings. Type your password to allow this.

Username:

Password:

Cancel

Update Settings