



## BYOD Wireless requirement

### Wireless N, 5 GHz

DET High School wireless works on the 5 Gigahertz (GHz) range on the N wireless standard.

\*To connect to the school wireless:

You must ensure that your device has the following wireless specifications:

**Device must have 802.11n on 5 GHz, which can also be known as Dual Band, 802.11abgn, 802.11agn or 802.11ac.**

Note: b.g.n wireless is not 5 GHz however if the specs contain an 'a', for example 802.11 a,g,n this will be wireless N 5 GHz. (Wireless 'a' is 5 GHz).

\*Note: Wireless N, 5GHz is not the same frequency as most smart phones, home and business wireless systems. These work on wireless G band. Any device trying to see the school wireless will need to have wireless N and be on 5 GHz range.

**\*If you own an existing device that will not connect to the school wireless, ask the retailer about a USB dongle that will be enable your device to connect to the Wireless N 5 GHz range. *Please bring the dongle to be installed by the school technician, at the library desk, Monday or Wednesday lunch 1 or 2. Ensure you have the computer administrator rights.***

### *Background:*

\*Some wireless N devices may be marketed as "dual band" (meaning the device can use both 2.4 and 5 GHz).

\*Wireless N capable

Wireless N capable does not guarantee that the device is going to work on the 5 GHz range. Many wireless N devices are 2.4 GHz and will not work on 5GHz wireless.

There are many different brands of such dongles. An example of required specs on a USB adapter:



**THE NETGEAR DIFFERENCE - WNDA3100**

- ✓ Faster downloads
- ✓ Push 'N' Connect—push button security
- ✓ Reliable and compatible
- ✓ Easy setup with NETGEAR genie®

**PUSH 'N' CONNECT—WPS**

A secured connection at the push of a button!

**STEP 1**  
Install CD and push the button on the adapter

**STEP 2**  
Push the Push 'N' Connect button on the router

**STEP 3**  
Secure wireless connection

\*Works with devices supporting Wi-Fi Protected Setup (WPS).

WiFi Technology	FEATURES								APPLICATIONS			
	Speed	Range	NETGEAR genie®	Secure Connection	Easy Install	Desktop Dock	Dual Band	11n WiFi	Email, Chat, Music, Video	Online Gaming	HD Streaming	Multiple HD Streaming
N150	Up to 150 Mbps*	Standard	✓	✓	✓	✓			✓			
N300	Up to 300 Mbps*	Standard	✓	✓	✓	✓			✓	✓		
N600	Up to 300/300 Mbps*	Standard	✓	✓	✓	✓	✓		✓	✓	✓	
N900	Up to 450/450 Mbps*	Standard	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
AC1200	Up to 300/867 Mbps*	Standard	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

\*Some Models Supported