

# Horizon School Division

## CONNECTIVITY: WIRELESS AND BRING YOUR OWN DEVICE ADMINISTRATIVE GUIDELINES



## Wireless

### Objective:

Horizon School Division provides access to a Local Area Network, and internet via a wireless environment for teaching and increasing and enriching student's learning.

### Background:

Horizon School Division currently has 3 wireless controllers.

- W.R. Myers' which controls all jurisdiction access points within Taber, Grassy Lake and Barnwell
- Vauxhall High School's which controls all jurisdiction access points within Vauxhall Hays, Enchant, and Lomond
- Erle Rivers which controls all jurisdiction access points within Milk River and Warner

### Guidelines:

1. Schools with wireless access points have the ability to access two types of network access: divAP, and openHorizon. Schools wishing to have extensive wireless access points or customized settings are required to acquire their own controller (approx. value \$3000).
2. There are two types of networks accessible via the wireless access points
  - a. divAP
    - (1) School technological devices
      - Provides wireless internet access to all division owned computers (possessing a wireless adapter), laptops, tablets (e.g. Ipad), and smartphones.
      - Provides wireless access to U:// drive (personal drive on the server) to all division owned computers (with wireless adapters) Note: tablets (e.g. Ipad) and smartphones will not have U://drive access.
    - (2) Staff owned technological devices
      - provides wireless internet access to staff owned devices (possessing a wireless adapter), including laptops, tablets (e.g. Ipad), and smartphones
      - provides wireless access to U:// drive (personal drive on the server) to all division owned computers (with wireless adapters) and laptops. Note: it does not provide wireless access to U:// drive for staff tablets (ie Ipad), and smartphones (ie Iphones).
        - **Staff wishing to access internet using this network are required to provide their device's MAC address to the Technology Department**
        - Note: personal computers with windows home version, as opposed to the corporate pro version, are unable to wirelessly access the U:// drive as they are limited by their operating software, and are thus unable to be registered on the jurisdiction's domain and active directory.

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- b. openHorizon
- (1) Provides wireless internet access to any jurisdiction and/or personal device (possessing a wireless adapter), such as a laptop, tablet (ie Ipad), or Smartphone (ie blackberry, Iphone) as long as the user has the encrypted jurisdiction password (empoweringlearners).
    - openHorizon does not provide access to the U://drive
    - MAC addresses are not required to be submitted to the Technology Department
  3. In all cases the internet traffic travels through the jurisdiction's internet and email filtering hardware and/or software: meaning that websites and email are filtered as they would be using wired computers – some sites are overridable by teachers (i.e. blogs) and some are permanently blocked (ie pornography).
  4. The technology department has bandwidth monitoring and packet shaping infrastructure that will allow real-time viewing and archived usage by schools, individual computers, and users. This will facilitate the technology department's efforts in striving to be effective and efficient in terms of bandwidth usage and provide more flexibility in terms of access to specific sites.
  5. It should be noted that wired computers have dedicated bandwidth while wireless devices connecting to an access point share its bandwidth allocation. Wireless access is thus, typically slower than wired as multiple devices are sharing one network line.
  6. The jurisdiction's bandwidth shaping infrastructure will allow the jurisdiction to provide access to specific sites during specific times.
  7. **Special Situations (shared network infrastructure with Vauxhall Academy of Baseball (VAB))**
    - a. Horizon shares its network infrastructure with the VAB. It is the intent that VAB will have both wired and wireless access points within the dorm (using VHS' controller). This means that both wired and wireless access points access the internet via the jurisdiction's local area network and are bound by the same restrictions as all other users and computers within the jurisdiction.

### **Bring Your Own Device**

#### **Objective:**

Horizon School Division believes students' ability to bring their own device may enrich student's learning.

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**Guidelines:**

1. Within Horizon School Jurisdiction we:
  - a. have jurisdiction and school policies in place regarding students' use of technology (whether school or personally owned) and access to the internet
  - b. provide a filtered internet service
  - c. provide supervision, direction, and support in online activities using wired and wireless technologies for learning
  - d. support students in developing digital literacy skills and citizenship in a digital age
2. All parents and students must sign that they understand and will abide by the **Terms and Conditions** within the Acceptable and Responsible Use Agreement before students are granted access to the division's network (wired and wireless).
3. Teachers are encouraged to regularly review the **Terms and Conditions** within the Acceptable and Responsible Use Agreement with their child and parents.
4. Parents/guardians should be aware that the nature of the internet is such that full protection from inappropriate content can never be guaranteed.
5. Horizon School Division provides access to a Local Area Network, internet and technology as teaching and learning tools that must be used responsibly.
6. Wireless access is provided free of charge. If a student does access the internet through their personal account via their smartphone or other personal technology with a data plan, all charges become the responsibility of the account holder. This does not exempt students from appropriate behaviours as outlined in these administrative guidelines.
7. Citizenship in a digital age, which includes safe and responsible behavior, is essential in the lives of students and is best taught and reinforced in partnership with parents.
8. Today's students spend increasing amounts of time online, learning and collaborating. To be safe online and to gain the greatest benefit from technology and the opportunities provided through an online environment, students need to learn to do the right thing whether they are supervised or not. Learning and citizenship within a digital age does not stop at the school door.
9. Inappropriate online activities, such as cyber-bullying, will not be tolerated. Horizon School Division expects that its students, staff, volunteers, and students respect and protect themselves, others, and intellectual property All activities that go against the concept of citizenship in a digital age will be dealt with swiftly and thoroughly.

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