

## **Current Computer Learning Center (CLC) Activities**

- 1) Computer Lab with seats for 10 students and an area for administration / computer repair / server management. Currently 18 active computers.
- 2) Conduct tablet classes in Room 5 and the Perry room. Typically 10 students.
- 3) Management of 4 wired service computers in the Perry room.
- 4) Management of 2 public computers in the hallway.
- 5) Management of 2 wired computers in the Membership Association Treasurer's office.
- 6) Management of the Bulletin Board in the main hallway with wired internet using information from the Calendar House website.
- 7) Maintain wired internet links to the display system in the main hall.
- 8) Construction and maintenance of Ethernet and WiFi system to all public areas. This network is completely separate from the Town maintained office network. Management center is in the Computer Lab. It is not unusual to have 60 devices on the network at the same time.

## Computer Lab Basic Requirements.

- General layout similar to the existing Computer Lab
- Places for 10 students (Maximum) 5 ft per student?.
- Instructor position with 2 computers
- Area for administration / computer repair / server management.
- Secure wiring closet for Ethernet network connections, modem, router etc
- Storage closet at least as large as the current one in the Perry Room.
- A separate power outlet for each computer and associated devices placed above the table level capable of accepting surge protection power adapter with USB power point.
- Ethernet connection socket for each desktop computer and associated devices placed above table level but separated as far as practical from power wiring.
- Ceiling mounted projector and associated projection screen wired to Instructor position computers.
- Repeater monitors above the student positions wired to Instructor position computers.
- All Ethernet wiring connected to a connection facility in the wiring closet.
- A single Ethernet link from the **TOWN** network to the server maintaining the membership database system. (Managed and developed by CLC)
- Adequate power outlets in the wiring closet to support system devices such as modem, routers and switches.
- White board adjacent to Instructor position.
- Whole floor carpeted. (Current separate carpets are a trip hazard).
- Ability to dim lighting.
- Wheelchair facility

## **Rooms for Tablet Instruction.**

It is anticipated that rooms used for CLC tablet instruction will also be used for other smaller group activities requiring presentation capability such as clubs or meetings.

- Typical tablet class consists of a maximum of 10 students, one instructor and three assistants, with all using a tablet device.
- Sufficient space around the table for assistants to be able to walk around and view the student tablets.
- Ceiling mounted projector and associated **large** screen placed high near the Instructor position. Screen size is important to allow students to see detail typical of tablet screens.
- Power, Ethernet connection and wired data link to the projector at the instructor position. HDMI link for sound.
- Commercial quality high density WiFi connection in the room.
- Comfortable chairs.
- Ability to dim lighting.

## **Computer Learning Center Internet and Network Requirements.**

- The CLC network is completely separate from the Town computer network.
- Fiber optic incoming line from the Internet Service Provider (ISP) to cater for service growth. Current ISP is Cox communications.
- Network connections to be managed from a wiring closet in the Computer Lab with commercial quality modem, routers, switches and wireless access points. VLAN's and network subnets will be required.
- Cat 6 Ethernet wiring from the wiring closet to multiple locations
  - 18 desktops and servers in the Computer lab
  - 4 + service desktops for service activities (taxes, heating assistance, renter's rebate etc..)
  - 2 + Public accessible desktops
  - Bulletin board near the main entrance
  - Outside each public room, with power, for a monitor displaying the day's activity in that room.
  - Two lines to the public display facilities in the main hall
  - A minimum of two lines to each public room (bathrooms excepted) terminating adjacent to the area where the activity leader will be located.
  - Individual lines with Power over the Ethernet (PoE) to each wireless access point in the public areas of the building.
- A power outlet near each Ethernet outlet, except for the WiFi access points which will use PoE. Power lines to be separated from Ethernet lines to avoid crosstalk.