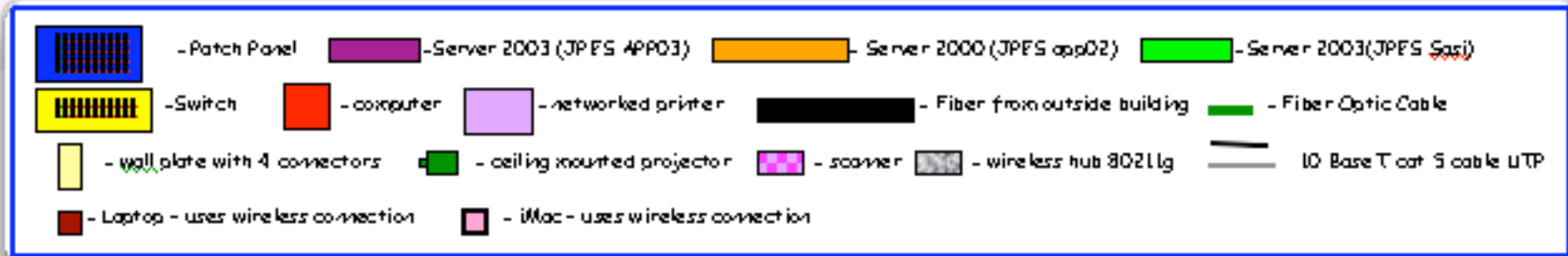
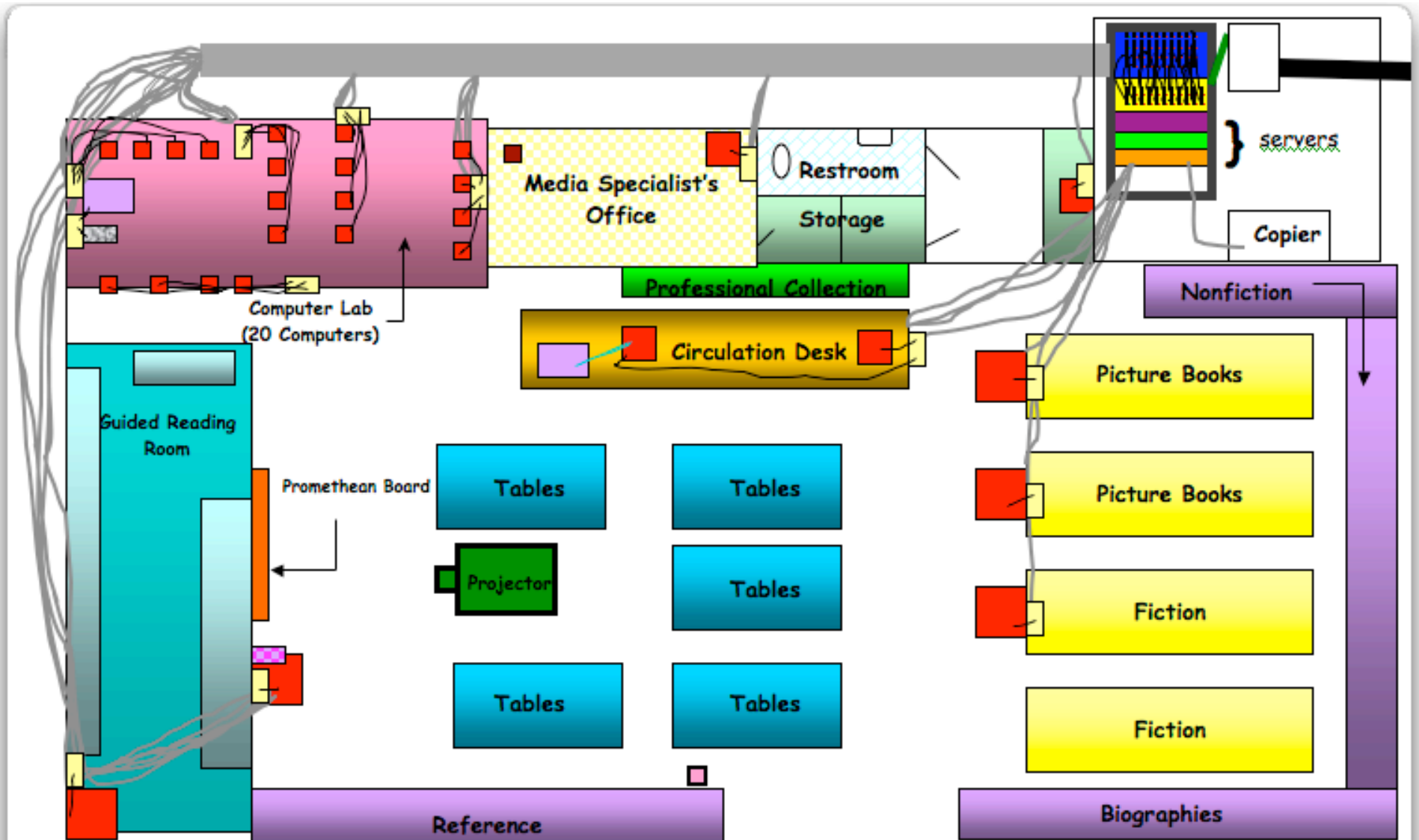


Jefferson Parkway Elementary Media Center

Mary Dean



The Jefferson Parkway Media Center houses many of the network components that support the school's network clients. The media center has an Ethernet network with 20 clients in the media lab and 11 more located throughout the media center. There are 3 servers located in the rack in the media center work room. Two of the servers run Microsoft Server 2003 and one runs Microsoft Server 2000. The servers are Intel Xeon running at 3 GHz, 1 GB RAM, and a 140 GB hard drive. The clients are Dell Pentium computers with 256MB RAM and a 40GB hard drive. There is one laptop computer which is a Dell Pentium with 256mb RAM and an 80 GB hard drive. It runs on the wireless router, which is located in the Media Lab. There is also one iMac with 256 RAM and an 80 GB hard drive. It is used as a lookup station and also runs through the wireless router.

The network topology is a star. The network operates at 100 mbps. All stations (client and server) have Ethernet NICs running at 100 mbps, and the 10 base T cat 5 UTP cable can also support 100 mbps communication. Fiber optic cable runs into the building from outside. The cable comes into the building and each wire within the cable is separated out in a fiber termination box. The wires then leave the box as a newly formed cable and plugs into the switcher. The three servers also run into the switcher. From the switcher, cables are run to the patch panel and then from there cables are run to the wall plates in the media center. The cables are dropped in the walls and ceiling.

Peripherals in the media center include a networked printer (shared through a client workstation), a ceiling mounted projector and Promethean board, scanner, and a networked copier.

Cable runs from the fiber termination box to other closets within the building to support classroom clients.