

## II. TECHNOLOGY INVENTORY

*A. Attach a copy of the 2003 NJDOE School Technology Survey for each school in the district or for the Charter School.*

### APPENDIX A

*B. Describe the District/Charter School's technology inventory needed to improve student academic achievement through 2007 including, but not limited to:*

**SEE CORRESPONDING DETAILED GRID FOLLOWING NARRATIVE SECTION BELOW.**

*i. Technology equipment and networking capacity*

The Chester Township Schools share a fractional T1 lines. A proxy server running Osis Winproxy controls the T1 lines. Winproxy is a complete firewall solution that permits filtering, antivirus, whitelisting and blacklisting of sites.

All schools and the board office site are connected via Frame Relay creating a Wide Area Network. This allows the sharing of data and programs on a district-wide basis.

The fractional T1 lines are in the process of being upgraded to Full T1 lines. As the need for additional bandwidth increases, the district will respond with appropriate improvements to accommodate. Technologies and prices change providing us with opportunities for improved and expanded services that help support the learning environment, As increased network capacity becomes mainstream and affordable, the district will respond by adapting to the changes.

*ii. Software used for curricular support and filtering*

In addition to the Osis WinProxy firewall, the Internet is filtered through our Internet Service Provider. The filter (Filter.netblocker.com) is administrated by the ISP and ALL machines in the district (including offices) are filtered. If a computer attempts to bypass the filter, it will not get onto the Internet.

AntiVirus – The district, in an effort to curtail the dangers of infection, employs a corporate version of Symantec Norton Antivirus. AntiVirus is deployed on all servers and workstation throughout the district.

We will have to investigate changes in filtering / anti-spam, and anti-virus as new technologies become available. With the ever-increasing need for security, filtering, and overall network protection, the district is in a position to not only respond to outside attacks but to proactively preempt any such attacks. With the proliferation of wireless, the task is becoming ever more important and difficult.

*iii. Technology maintenance policy and plans*

All new computers are purchased with a four-year manufacturer's warrantee that includes complete on-site service. Most warrantee service is completed in 24 – 48 hours.

As technology proliferates the learning environment and becomes critical to the day-to-day processes, there is an ever increasing need to keep equipment in top operating condition. As needs for technical support increases, the district will have to respond.

**iv. *Telecommunications services***

Each building in the district has a telephone system. In all Schools, there are intercom phones in the classrooms.

Our telephone system is IP capable. Therefore, as the technology becomes more affordable and the need is demonstrated, the system will be adapted for IP telephony. This will allow for additional phones, intercoms, speakers, etc. to be added to our schools.

**v. *Technical support***

Chester Township employs a Technology Coordinator, a full-time technician and a full-time webmaster.

The Chester Township Middle School employs a computer lab teacher.

Requests for technology assistance are handed in to the building principal and approved. It then goes to the district business administrator, who approves it, logs it and passes it on to the technician.

Technology Coordinator – the technology coordinator provides systems and network administration, technical support via helpdesk, phone, remote and on-site services.

As the need and use of technology increases, so does the reliance and sophistication of the infrastructure, hardware, and software. The district will need to respond to the need and use with appropriate levels of support. Additional support/personnel will be added as needed. This will be continuously monitored.

**vi. *Facilities infrastructure***

The Chester Township Schools employ a state-of-the-art network including a Local Area Network (LAN) and a wide area network (WAN).

The difficulty facing every school district is striking a balance between use/need and providing appropriate levels of service to fulfill the need. Additionally, there is the problem of striking a balance between the latest solutions and the cost of the solutions.

We will have to continually evaluate the balance between the need / availability and the cost of any solutions that are available.

**vii. *Other services***

The district continually strives to provide solutions that are appropriate, adaptable, and cost effective. To that end, we provide the following services that support the educational process from the classroom to the administrative offices.

All of these systems will have to be assessed to determine whether they continue to meet the needs of the district. If change is warranted, all options will be explored and a change deemed appropriate will be made.

The following are examples of technologies available to the CTS staff and/or students:

DEEP FREEZE – used for desktop management

SAGEBRUSH & FOLLETT – Library automation (in all schools)

WINSCHOOL – Student management – Scheduling, Gradebook, Report Card, etc.

VERSATRANS – Transportation Management Software

E-BOOKS – Online Text Books and support material

ENCYCLOPEDIAS – Online for research

STREAMING MEDIA – tech support – remote control of desktops

CSI – Smarts (Financial Software)

TEGRITY – WebStudio – <http://tegrity.chester-nj.org>

STAFF WEBSITES – every staff member has webspace available

FILTERING – filter.netblocker.com (currently used)

EMAIL – Sun Cobalt QUBE houses the district website, email & staff webspace