

HAART Plan

Holy
Apostles
Applies
Resources In
Technology Plan

Educational Technology Plan
Approved: Jan. 22, 2010

<http://www.hanb.org/school/parents/technnologyplan.pdf>

Introduction

1.1.1 Archdiocesan Mission Statement

We the members of the Church of the Archdiocese of Milwaukee believe:

- † that by our baptism we are called to share in the mission of Jesus Christ here in Southeast Wisconsin;
- † that through the action of the Holy Spirit we build up the Body of Christ as we contribute our unique gifts that come from the richness of our personal, cultural, and racial diversities;
- † that we are joined in that Spirit and by the bond of love to the members of the Church Universal, and in a special way to the Church of Rome and its bishop, our Pope;
- † that are united to all the members of the Church in the USA as we face with them and all the people of goodwill the challenges of our day;
- † that we have a special concern for strengthening and living out the Faith in this State of Wisconsin

Since the mission of Jesus Christ is to create a new people, healed and saved through His death and resurrection, we accept that we are called to be a prophetic, priestly, and serving people.

We believe that we become:

- † a prophetic people by proclaiming the Good News of Jesus Christ with joy and by witnessing it in our lives;
- † a priestly people by building up the Body of Christ in bonds of solidarity and community through vital liturgies, especially through the Eucharist and by our witness of mutual love and support;
- † a serving people by seeking to bring peace and healing justice to our society as we minister to all, especially the less fortunate, in loving charity.

We pledge ourselves to proclaim the Good News in unison with all others who truly seek God's will among us.

1.1.2 Holy Apostles Parish Mission

We, the Holy Apostles Parish Family, rich in historical tradition and diversity, as a part of the worldwide Catholic Church open ourselves to the Holy Spirit to be a visionary people in the development of our community and our faith, committing ourselves to manifest this spirit through our Worship, Education and Service to all.

1.1.3 School Mission Statement

"We, the members of the Holy Apostles School community, as God's servant people, seek Christ in each other, and value the dignity and uniqueness of each individual.

We believe it is our mission to proclaim the Christian message to all members of our school community. We do this by teaching the Catholic faith through doctrine, tradition, and Scripture. We encourage active participation in liturgy and prayer, thus building a faith community.

We are called to give witness to the Good News of Jesus by fostering His values of peace, justice, hope and other virtues in all the people we meet, especially the children entrusted to our care."

Holy Apostles Faculty

1.2 School Philosophy

“We believe that each child who comes to us is a unique individual created by God, endowed with potential capabilities to grow and mature and become a responsible, loving, trusting adult.

We believe it our responsibility, in cooperation with the parents of these boys and girls, to provide a loving and trusting environment for them in which they can begin to recognize their potential for discovering and creating.

We believe in the continuous progress approach to learning. The children learn to recognize their abilities, their strengths and weaknesses, and discover the means in their environment that will best help them acquire the tools, skills and knowledge to continue to learn.

Holy Apostles School, as a Catholic institution, exists in order that a pleasant, friendly atmosphere may be created for the boys and girls who come to us, so that they may learn to live in the present with an ever increasing awareness of who they are in relation to GOD and to others through Christian attitudes, concepts and the lessons we teach them.”

1.3 Educational Technology Philosophy

Our Philosophy is to provide all students, regardless of background, with equal access to technological tools and learning. We believe that technology is a tool that should be utilized by all teachers in the instruction of our students. Technology will be a facet of the curriculum, not the curriculum. We will use technology to teach our curriculum and have our students learn from technology. With what they learn students will be able to interface with reality.

1.4.1 Archdiocesan Technology Vision

Essential to the continued professional growth of staff and the effective education of students is the creation of a local plan for improved integration of instructional technology and electronic networking in Archdiocesan schools.

1.4.2 Holy Apostles’ Technology Vision

The staff and families at Holy Apostles School are interested in making technology an integral tool of our curriculum. To this end, we have established a program called HAART -Holy Apostles’ Applies Resources in Technology. The goal of HAART is to bring Holy Apostles students from an introduction of computers to the use of technology which enables each student to acquire the skills and confidence to make computers a part of his or her personal life and future career choices so that the students educated here become empowered to succeed. It is our intention to make computers an essential part of the comprehensive education at Holy Apostles School through incorporation into regular classroom instruction. We would like to be a leader in educational technology for our students and the community we serve. Our vision would be an educational process that leaves the classroom and addresses the needs of the learners in the community.

About Our School

2.1 School and Community Demographics

Holy Apostles is a K-8 suburban Catholic school in the city of New Berlin. The school serves almost 500 children. Our students reside predominately in New Berlin. Less than 1% qualify for free or reduced hot lunch. Based on demographic studies, Holy Apostles School, has most of its members from the cities of New Berlin, West Allis, Greenfield, Waukesha, and Muskego. Enrollment figures for the past five years are:

2009	2008	2007	2006	2005
461	474	466	489	517

Based on Archdiocesan enrollment findings. Catholic schools are experiencing a 1-3% enrollment decline over the past several years.

In 1862, the Sisters of St. Francis founded a 1-8 school to bring value-based education to children of the area. In 1992 a half-day Kindergarten program was started. Grades 6-8 have been included into a Middle School concept with teaching going on by subject area. The school carries on this tradition through a staff of laity and religious; all of whom are licensed by the state of WI and accredited by the Wisconsin Association of Non-Public Schools. As Holy Apostles' looks to the future it continuously endeavors to maintain the reason for its excellent reputation.

2.2 Overview of the educational technology planning process

Holy Apostles School began technology planning in 1992 with the formation of a Technology Advisory Committee reporting to the School Committee. In 2008 the Committee became one committee under the watch of the Parish Council. It is composed of parents, teachers, board members, and the principal. A Mac Lab was formed in 1993. A PC lab was opened in 1998. This lab currently holds 32 Dell computers purchased in 2006. A part-time teacher works in the lab.

2.3 Stakeholders

Holy Apostles School serves the needs of the community of New Berlin. Holy Apostles is blessed with a high number of professionals in the computer industry who are very interested in the education of the children and the modernization of education. Local businesses provide funds and equipment to better the education at Holy Apostles. The parents have a very active Home & School Assoc. They have provided tens of thousands of dollars in monies for technological purchases. The cooperation between this school and the public sector, however, needs to be advanced, as little sharing of ideas or resources is done.

2.4 Providing for Equity in HAART

The Holy Apostles technology plan promotes equity in that all students in the school are being taught the same computer skills and how to incorporate those skills into their academics. Equal access to computers, DVD's and the Internet will be achieved through our plan. All students will be equally prepared to effectively use the computer technologies available to them upon entering high school. Technology that does not fit into the plan of Holy Apostles, yet is still valuable, will be offered to needy families.

2.5 Explain how plan will provide access for teachers, parents and students to best teaching practices and curriculum resources

The Holy Apostles technology plan allows students and teachers access to the labs five days a week. Students and teachers are in the lab once a week for 30-60 minutes with a dedicated part-time computer teacher.

The labs are also available to teachers and students during open lab periods. Future plans include opening the lab up to parents, parish and community members. If possible, older computers will be donated to families who are in need. The focus will not only be on technologies but also on the sharing of ideas, lessons, and activities that can be done to promote the use of the computer hardware and software as well as enhance the subject matter and increase student interest in the subject matter.

2.6 Impact of HAART on adult computer literacy

HAART envisions providing limited workshops for interested individuals. These workshops would be offered after school hours and would reflect the interests and needs of the community. Costs for the programs would come from user fees or grants would be applied for. One course to be offered would be an Introduction to the Computer. Other workshops would center on providing specific software knowledge and/or Internet familiarity. Learning is a two way street. Holy Apostles hopes that children and parents would learn from each other and as children advance their interests would be shared by their parents. Adult literacy could also be advanced by our current system of having adult volunteers come into the classes and working with our students on computer skills.

HAART – Current Status

3.1, 3.13 Assessment of Student and Staff Technology Skills, Knowledge, and Attitudes

We will assess staff on where they are and where we want them to be with technology. See *Appendix A* for staff assessment instrument. Students will be assessed through work in computer class. As part of the WNSSA Accreditation process, assessments of student and family attitudes towards technology can be discerned.

3.2 Inventory of Software (as of 12/09)

Software Title	Usage	Copies	Company
Addition of content watch web filtering appliance			
new anti virus software for entire network			
implemented off site back solution			
network upgraded to include a fiber optic backbone			
migrated email to Spam protected Google mail services			
Google Apps for education addition			
updated website and current content Updated user policies via active directory Installed centrally located software			
VPN Access			
MS Office Word (2003)	Lab, Class, Office	Site	Microsoft
MS Office Excel (2003)	Lab, Class, Office	Site	Microsoft
MS Office PowerPoint (2003)	Lab, Class, Office	Site	Microsoft
MS FrontPage (2003)	Lab, Class, Office	Site	Microsoft
MS Access (2003)	Lab, Office	7	Microsoft
MS Office Publisher (2003)	Lab, Office	7	Microsoft
MS Word (2003) Mac	TLC	15	Microsoft
Type To Learn 3	Lab, Class	Site	Sunburst
KidPix Deluxe	TLC	15	Broderbund
Inspiration V6.0	Lab, Class	Site	Inspiration Software
KidsTime V2.0	Lab	Site	Great Wave Software
Windows XP	Lab, Class	1 per PC	Microsoft

Windows Server 2003		1	Microsoft
Windows Server 2000		1	Microsoft
Mac OS 9.1	TLC	15	Macintosh
SynchronEyes	Lab	1	Smart Technologies
Kaspersky Anti-Virus	Network	Site	Kaspersky Lab

3.2 Inventory of Hardware

LOCATION	TYPE	SPECIFICATIONS	QUANTITY	DATE ACQUIRED
Server Room	Switch	- HP Pro Curves 400M - Compaq Proliant P4-1.4 Ghz, 256MB RAM, 40G HD6/02 - Compaq ML 350 - Smart UPS		
106 Library	Interactive System	Mimio	1	
	Notevision Projector	Sharp DLP M20x	1	
	Fender Audio system	Portable PA system	1	6/2007
	Dell Computer		1	6/2007
	Dell computer		4	
	HP DeskJet 940c Printer		1	
	JVC Boombox	PC-X250	1	
	Panasonic 35" TV		1	
	Panasonic VCR		1	
	Sony DVD-RW		1	
	Toshiba 15" TV		1	
	VCR Dual Record		1	
Office	Dell Computers		2	6/2007
	Dell Computer		1	7/2004
	Dell 19" Monitors		2	8/2007
	DeskJet 820 printer		1	
	HP LaserJet 3200 Fax		1	
	HP LaserJet 4000 Network Printer		1	
Principal's Office	Dell Inspiron Laptop		1	8/06
	Epson 1250 Scanner		1	8/07
wireless access points around the school for volunteer support and other needs				
new server hardware				
new IP security camera				
All machines in the tech lab upgraded				
Additional Smart boards				

111	Dell Computer Dell Computer Panasonic TV Panasonic VCR Toshiba DVD player SMART Board Epson Projector Dell Laptop Overhead projector Sony boom box	27" EMP-1705 Apollo Concept CFD 5250		
110	Dell Computer Dell Computer Panasonic TV Panasonic VCR Toshiba DVD player Overhead projector boom box	27" 3M 429		
113	Dell Computer Panasonic TV Panasonic VCR	27"		
112	Dell Computer Panasonic TV Panasonic VCR Averkey Video Flex RCA boom box	27"		
114				
120	Dell Computer Panasonic TV Panasonic VCR Toshiba DVD player Overhead projector Sony boom box	27" Eiki CFD 5250		
124	Dell Computer Panasonic TV Panasonic VCR Sony DVD player Overhead projector Sony boom box	27" 3M CFD 5250		
118	Dell Computer Philips TV Panasonic VCR Sony DVD player Overhead projector Sony boom box	Apollo Horizon CFD 5250		
126	Dell Computer Panasonic TV Panasonic VCR Sony DVD player Overhead projector Sony boom box	Apollo 3000 CFD 5250		
125				
134	Dell Computer	Teacher		

	Dell Computer Canon S520 printer Panasonic TV Panasonic VCR Sony boom box	Student CFD-S250		
136	Dell Computer Dell Computer Panasonic TV Panasonic VCR Westinghouse boom box	Teacher Student		
144	Dell Computer Dell Computer Panasonic TV Panasonic VCR Overhead Projector Sony boom box	Teacher Student Apollo 8002 CFD-S250		
152	Dell Computer RCA TV Samsung VCR Overhead Projector Sony boom box	Teacher Apollo 3000 CFD-S250		
155	Dell Computer Vizio LCD TV Stereo System	Teacher		
151	Dell Computer Dell Computer Magnavox TV Panasonic VCR	Teacher Student		
143	Dell Computer Dell Computer Panasonic TV Panasonic VCR Overhead Projector Sony boom box	Teacher Student 3M 1200 CFD-S250		
PE	Dell Computer HP printer Sony Boom box Panasonic stereo	LaserJet 1200 CFD-550 SA-AK750 5 disc	1 1 1 1	
109	Dell Computer Gateway Computer Panasonic TV Sony DVD Player Panasonic VCR Westinghouse boom box	E-3000 27" VCR/DVD	1 1 1 1 1	
107	Dell Computer SMART Board Epson DLP Projector HP Deskjet 940c	1705	1 1 1 1	7/2008 7/2008
108				

3.3 Current Status of Curriculum

See the school's *Curriculum Handbook* for an updated curriculum. Curriculum for students was updated (11/02) to reflect new uses of our technology and the part-time role of our Computer Teacher.

3.4 Explain how the New Technology will be integrated into the curriculum

Extend classroom activities in all subjects through appropriate software usage. Lessons can be brought in using the Internet. Hardware and software are tools of education, not the end result, however.

3.5 Explain how the New Technology will Enhance Teaching

Students will be exposed to a vast array of resources that technology opens up. Eventually, distance education classes will take the students to places or topics too expensive for actual travel or consideration. Educational practices will become more visual and real time. Learning will become more multi-cultural as we explore areas/topics not available in our area.

3.6 Explain how the New Technology will Enhance Student Achievement

All students regardless of learning needs or financial status will have equal access to information as it can be applied in the classroom. Students will be able to work at their own level to pursue an education. Students will be able to take the initiative on learning practices and make learning become real to them.

3.7 Review of Existing Professional Development Activities and Structures

Staff are all working in the Windows environment, word-processing, e-mailing, Internet access, electronic grading, and software specific to their field, ie. Math-Blaster, Silver-Burdett Science software, etc. Most staff have been trained in SMART lesson plans, spreadsheet fundamentals, Scholastic Network, Web-authoring, and programming. Even copier training with its technical needs have been presented.

3.8 Explain future professional development activities.

(See 6.4)

3.9, 3.10 Resources

SMART Lessons	(Staff Training)
Waukesha County Technical College	(Staff Training)
Parents and their companies have offered training and sites	(Staff Training)
Parents who are programmers and technicians	(Technical assistance)
<i>T.H.E. Journal</i>	(Subscription)

3.11 Explain how the new technology will enhance teacher training

HAART has enhanced Teacher Training. The teachers of Holy Apostles' have increasingly shown an interest in technology. Resources have been provided within the school to further teacher's training. When their skill level has surpassed our school's capabilities we will go to outside training sites. With the new technology teachers can be trained on software and machines that they will actually use. Our expanded Computer Center will be suitable for teacher training, including faculties from other schools.

3.12 Describe the strategy for using information technologies, including internet and distance learning

Having high speed connections our students and staff will not become frustrated waiting for downloading. Continuous, strong encouragement of the ease of DL will be pursued. (See 4.1, 5.1, and 5.2.2)

3.13 Assessment of current technology support staffing

HAART Goals

more smart boards in classrooms

upgrading office software suite

possible migration to windows 7

more user access controls

tighter data security

other network additions and upgrades as needed

of each other. Total licensing cost would cost approx. \$4500.00 A discussion took place about licensing, new release timing and cash available. Tech committee will table this until fall.

We will look into Systems Center Essentials for software installation and monitoring. We will look into this in the fall.

The new server room is ready. Electrical circuits were installed for the server rack.

Other technical details involving server migration and camera software for the security were discussed.

4.1 Administrative and Management Goals and Initiatives

- ◆ Use technology to reduce administrative tasks of the staff and parents incl., Administrative software,
- ◆ Regular assessment of staff on where they are and where they need to be with technology,
- ◆ Every three years replace all of the tech lab's PC computers, moving the replacements to the classrooms and in some cases eliminating the oldest or most unstable ones, (look to 2012 for next upgrade)
- ◆ Find additional funding sources for the initiatives included in this plan such as through donations, grants, etc.
- ◆ Upgrade to Office 2007. Office 2007 has a very different interface.
- ◆ Review purpose, support, and upkeep of Mac Lab.
- ◆ Enhance website security.
- ◆ Track software licenses.
- ◆ Go to web-based software
- ◆ Pursue Netbooks for a traveling lab
- ◆ Install wireless access points so the building is wireless
- ◆ Google Apps for education addition
- ◆ Purchase IP security camera
- ◆ Update user policies via active directory
- ◆ Implement off site back-up solution
- ◆ Install centrally-located software update services
- ◆ Network upgrades to include a fiber optic backbone in server room
- ◆ VPN access to network for volunteer support

4.2 Communications and Information Access Goals and Initiatives

- ◆ Provide a technology night for parents on current issues or showcasing current accomplishments,
 - ◆ Offer morning classes in technology education for interested seniors,
 - ◆ Connect with an online library service,
 - ◆ Encourage local schools to utilize the available technology for faculty in-servicing,
 - ◆ Incorporate distance learning opportunities for staff training,
 - ◆ Expand web site to include more classroom information,
 - ◆ Each classroom to have their own webpage,
 - ◆ Workshops would be offered after school hours and would reflect the interests and needs of the community. Costs for the programs would come from user fees,

- ◆ Select classroom to have 2-3 student computers,
- ◆ Purchase interactive white boards for all classrooms,
- ◆ Older computers will be donated to those in need,
- ◆ Update website with current content available
- ◆ Connect for distance learning and video-conferencing,
- ◆ Consider providing on-line educational content,
- ◆ Provide a website that allows for tiered access to information,
- ◆ Establish and maintain effective communication between all those involved in the educational process (Students, Parents, Faculty) by using various forms of technology (StandardsScore, School website, Teacher websites, Email/chatting system, File sharing, etc)

4.3 Instructional and Curricular Goals

- ◆ Create an aligned and fully integrated curriculum in all content areas based on state standards
- ◆ Purchase SMART boards for every classroom
- ◆ Instill a sense of curiosity and adventure in students when learning new technologies.
- ◆ Update TLC with memory and software to provide for needs of struggling students
- ◆ Allow students to explore on their own and utilize the incorporated help functions and documentation included in the product. Allow for students to learn by trying,
- ◆ Develop an understanding by the students of the types of resources available on the web, how to utilize some of them to perform research, and an understanding that not all information found on the web is correct,
- ◆ Expose students to both the Window's-based and Mac environments.
- ◆ Provide web-based applications over software installed on hard drive.
- ◆ Consider providing on-line educational content
- ◆ Use StandardsScore's parent accounts for student progress.
- ◆ Use Access to work on database design and terminology.
- ◆ Look into distance education classes in relevant areas
- ◆ Empower our students with the knowledge and skills necessary to learn and succeed in a technologically advanced world,
- ◆ Increase student proficiency in communication capabilities and to extend communication globally,
- ◆ Allow students to carry his/her work around electronically, ie, thumbdrives. Burners will not be used.
- ◆ Bring information resources into the classroom through distance learning and online libraries
- ◆ Allow teachers and students to work together to facilitate learning for both groups.
- ◆ Acquire additional software for diagnosis and remediation of basic reading and mathematic skills.
- ◆ Acquire Math, Reading, and Science software for struggling and advanced students in Grades 1-5
- ◆ Integrate the use of technology throughout the curriculum and in current classroom activities.
(Provide periodic staff training sessions to assist with this)
- ◆ Include more hands-on hardware usage for the students such as scanners, digital cameras, digital video cameras, PDAs, a CD-RW and a DVD-RW, etc.
- ◆ Form a Media Club (work with school digital camera and video conferencing equipment)
- ◆ Incorporate audio and video manipulation skills
- ◆ Incorporate more Hardware terminology, installation, and construction skills. Create a workshop using older PCs for student instruction. Teach the different hardware components and how to build a PC from scratch, install on OS, etc, etc. Emphasize proper care and maintenance.
- ◆ Include more hands-on hardware usage for the students such as Scanners, Digital Cameras, Digital Video Cameras, PDAs, and Burning CDs/DVDs etc. (Media Club – announcements, special events,)

- ◆ Integrate the use of technology throughout the curriculum and in current classroom activities. (A constant struggle) – (Periodic staff training sessions would help with integration of technology into the classrooms.)
- ◆ Utilize the supplemental websites of our textbooks.
- ◆ Develop a multi-media classroom.

Primary Grades (K-2)

- ⇒ Encourage creativity through painting or art programs.
- ⇒ Publishing to the web, such as the classroom's site.
- ⇒ Support remedial and gifted approaches to the reading and writing process by applying software such as *Jumpstart Kindergarten, First Grade, & Second Grade* and *KidsTime*.
- ⇒ Promote children's writing and publishing through software like *Scholastic's Student Writing Center, MS Word, and KidsTime*.
- ⇒ Develop remedial and gifted approaches to mathematical learning through software like *Math Blaster* and such websites as www.funbrain.com and www.funschool.com

Grades Three – Five

- ⇒ Promote Pen Pal activities with other students via the Internet.
- ⇒ Facilitate classroom activities in mathematics using *Math Blaster 2, Alge-Blaster 3, Super Solvers Outnumbered*
- ⇒ Continue children's writing and publishing through software like *Scholastic's Student Writing Center*.
- ⇒ Internet research should begin in third grade and increase significantly by fifth grade.
- ⇒ Typing proficiency should also be stressed.
- ⇒ Increase complexity of items or projects published to the web.

Upper Grades

- ⇒ Extend present research projects, (like Gr 7 Solar System report) by going on-line with community libraries
- ⇒ Expand multi-cultural understanding by having students in our Spanish courses communicate via E-mail and the Internet
- ⇒ Advance children's writing and publishing through desktop publishing software.
- ⇒ Student Web-authoring lessons.
 - ⇒ Familiarity with commercial software in word-processing, database, and spreadsheets.
 - ⇒ Learn logical ordering of Access.
 - ⇒ Utilize the collaborative features of newer software for student group projects.
 - ⇒ Production of multimedia presentations for some class projects.
 - ⇒ Include web design concepts into the 6-8 grade curriculums.
 - ⇒ Have students prepare and teach lessons/classes to a younger class or the community.
 - ⇒ Include Database design into the 6-8 grade curriculums.

4.4 Staff Competency Goals and Initiatives

- ◆ Provide for staff development in technology.
- ◆ Utilize the supplemental websites of our textbooks.
- ◆ All faculty and staff to be at an intermediate skill level in Internet usage.
- ◆ All faculty and staff to be at an intermediate skill level in a word processing program.

- ◆ Support staff to be at an introductory level with Access.
- ◆ All staff proficient in the school admin software, when purchased.
- ◆ Present some lessons using PowerPoint.
- ◆ Provide teachers with hardware to project computer lessons onto a larger format.
- ◆ Bring Internet Resources into lesson planning.
- ◆ Bring Internet connectivity into every classroom by providing each classroom with necessary hardware.
- ◆ Look to independent or on-line courses for individualized teacher learning .

Technology Design for HAART

5.1.1 Administrative Priorities

- ✓ Allow family data to be updated via the Internet.
- ✓ Move towards web-based applications.
- ✓ Maintain TLC as auxiliary lab.
- ✓ Train volunteers as lab assistants.
- ✓ More smart boards in classrooms
- ✓ Upgrading office software suite
- ✓ Possible migration to Windows 7
- ✓ Tighter data security
- ✓ Other network additions and upgrades as needed

5.1.2 Communications and Information Priorities

- ✓ Allow for individual Special Interest Group's to update their own website info.
- ✓ Pursue web-based applications for calendar and active broadcasting of information to parents.
- ✓ More user access controls

5.1.3 Instructional and Curricular Priorities

- ✓ Purchase document cameras
- ✓ Pursue web-based applications for instructional software.
- ✓ Have staff use library resources from their classrooms.
- ✓ Present lessons using SMAT technology
- ✓ Bring Internet Resources into lesson planning.
- ✓ Look to independent or on-line courses for individualized teacher learning.
- ✓ Purchase Contribute software.
- ✓ Upgrade instructional software.
- ✓ Initiate a Media Club.
- ✓ Consider providing on-line educational content

5.2.1 Hardware Plans

- ✓ Purchase computer projector.
- ✓ Purchase new, main server.
- ✓ Purchase CD-RW burner software.
- ✓ Purchase new computers for labs.
- ✓ All Workstations will be XP Windows-based computers.
- ✓ Maintain 2 computers for student use for each classroom.
- ✓ Purchase interactive whiteboards for all classrooms.
- ✓ Equip for distance learning and video-conferencing.
- ✓ Purchase video equipment for multi-media center.

5.2.2 Networking Plans

- ✓ Look into wireless options for some areas on a portable basis.

5.2.3 Building and Classroom Wiring Plans

- ✓ Upgrade cable connection to digital cable.
- ✓ Pursue DVR for digital cable.
- ✓ Provide for overhead projection to all classrooms, include enough electrical and CAT-5 wiring.

5.2.4 Implementation Issues

- ✓ How do we expand Home Page offerings to the families?
- ✓ Firewall security needs to be checked.
- ✓ Monitoring software to be aware of student hackers.
- ✓ Investigate Pro's/Con's of Mac Lab.
- ✓ How do we support our Apple computers?
- ✓ Regularly scheduled backups for the Hostmonster account.
- ✓ Convert email services to Google Gmail.
- ✓ Data backup and security.
- ✓ Administrator access to accounts and servers.
- ✓ Identify an individual to manage access and permissions.
- ✓ Move content watch and cable modem to different room.
- ✓ Address cooling in the server room.
- ✓ Create standard user names.
- ✓ Deliver Windows update services to all servers.
- ✓ Identify free or low cost options for remote access to computers.
- ✓ Explore increased use of Google Applications.

5.2.5 Operations, Maintenance and Upgrade Priorities

- ✓ Server maintenance will be provided through the hiring of independent contractors.
- ✓ Consider separate room for Media Center. Incorporate into parish's 5 Year Plan.

5.4 List provisions for capabilities of these new technologies with existing technology

- ✓ All Windows based computers are compatible with new technologies.
- ✓ Apple computers are not compatible and will be used to promote individualized learning.
- ✓ Technology that has been recently acquired are compatible with future purchases.

5.5 Grants School is Eligible for and how they will impact HAART

- ✓ FCC Telecommunications Support Funds - 40% - essential for upgrading networking ability
- ✓ AMS Tech Fund - This grant would help bolster our instruction to the students.
- ✓ Technology Literacy Challenge Fund- WI, develop teacher training
- ✓ WATF - Provide funding for education of our adult learners.

6.1, 6.2, 6.3, 7.7

Educational Technology Implementation Action Plan Timeline

	2009	2010	2011
Hardware, facilities, network implementation	<ul style="list-style-type: none"> - Purchase Smart Boards - Facilitate a Computer Club for interested students. - Encourage more participation in the Computer Club from female students. - camera and video conferencing equipment - Purchase wireless technology for the network - Connect gym, Lofy, and Johnson to wireless - Purchase 2 document cameras - Consider web-based applications or application service provider, (ASP) for calendar and e-mail services. 	<ul style="list-style-type: none"> - Video-conferencing equipment - Technology night for parents - Encourage local schools to utilize the available technology for faculty in-servicing, - Develop Intranet for families. - Connect for distance learning and video-conferencing for students 	<ul style="list-style-type: none"> - Connect with an online library service, - Consider providing on-line educational content
Software Procurement	<ul style="list-style-type: none"> - Web design software 		
Operations & Maintenance upgrades	<ul style="list-style-type: none"> - Develop a listserv to broadcast e-mails. - Form a Media Club (work with school digital) 	<ul style="list-style-type: none"> - Review purpose, support, and upkeep of Mac Lab 	<ul style="list-style-type: none"> - Review Tech Plan
Professional Development	<ul style="list-style-type: none"> - On-line Rel Ed certification courses - Using SMART Technology in Teaching - Using a scanner, digital camera - Provide a technology night for parents on current issues or showcasing current accomplishments 	<ul style="list-style-type: none"> - Assess staff on where they are and needs if using a portable lab - Using SMART Technology in Teaching - Incorporate distance learning opportunities for staff training 	<ul style="list-style-type: none"> - Assess staff on where they are and needs - On-line Rel Ed certification course for B or I - Look into distance education classes in relevant areas
Funding Sources	<ul style="list-style-type: none"> Grant Writing H&S Parish subsidy Tuition 	<ul style="list-style-type: none"> - E-rate for telecommunications 	
Evaluation		<ul style="list-style-type: none"> - Completion of Technology Curriculum 	

Budget Implementation Action Plan Timetable

	2009-2010 School Year	2010-2011 School Year	2011-2012 School Year
Hardware, facilities, network implementation	5 Smart Boards \$33,000 Computer Club (Volunteers) 3 Digital cameras \$500 4 Wireless hubs \$400 2 document cameras \$1,000 Use Google calendar and e-mail for school use (free)	Polycom QDX 6000 video conferencing system \$5,000 Technology night for parents \$100 Develop Intranet for families (use Contribute software) Netbook Lab (30 computers) \$12,000 video-conferencing for students \$15,000	40 Dell computers \$20,000 4 new iMac's \$4,800 Interactive Response System \$1,500
	- Develop a listserv to broadcast e-mails (use free Google apps) - Form a Media Club (work with school digital)		
Software Procurement	- Web design software (Shareware)		
Operations & Maintenance upgrades	Grant Writing H&S \$10,000 Parish subsidy Tuition		
Professional Development	- Technology night for parents \$100 - On-line Rel Ed certification courses - Using SMART Technology in Teaching 5x\$125 - Using a scanner, digital camera	- Assess staff on where they are and needs if using a portable lab - Using SMART Technology in Teaching \$900 for ½ day in-service - Incorporate distance learning opportunities for staff training	- Assess staff on where they are and needs - On-line Rel Ed certification course for B or I - Look into distance education classes in relevant areas

6.4.3.8 Future Professional Development for Teachers and Staff

Staff will need to have additional training in e-mailing, Internet searching, and grading program. Each year, one-two days of staff training will be set aside for technology training. Individual staff will be encouraged to take coursework in specific software programs. A staff member will need to have XP basic training.

Topic	Date	Assessment
Creating a home page for your class	Aug., 2009	Page posted to web site
Using SMART software in Teaching	Dec., 2009	Classroom presentation
On-line Rel Ed certification courses		Certificate of completion
Assess staff on where they are and needs	Aug., 2009	Survey
Using a browser, bookmarks, customizing	May, 2010	Use in classroom
SMART lesson	Aug. 2010	Use in classroom
Working with graphics and graphic software	Aug., 2010	Update classroom website
Teachers complete on-line Rel Ed certification course in Scripture	May, 2011	Certificate of completion

Distance Education Incorporation of lesson into computers and TV presentations.	Aug., 2011	Certificate of completion
Grade specific software instruction	Aug., 2010	Classroom use
Teachers complete on-line Rel Ed certification course for Intermediate or Advanced	Aug., 2011	Certificate of completion

6.5

A computer teacher has been on staff for the past eight years. This position has not only taught technology curriculum, but has also provided technology support. No plans to expand this person's job description are pending.

6.6 Funding Sources

- ☞ The Home & School Association has been very generous in providing the monies for our past Technology Plans. They have whole-heartedly accepted the need to upgrade the school to modern practices.
- ☞ With the help of FCC Telecommunications Discount Rate (It is 20% because we have 2/471 students < 1.0%) internet services can be bought.
- ☞ The School budget has/will also reflect the need for purchases toward the HAART Plan.
- ☞ Holy Apostles School will be looking for 4-5 individual or corporate sponsors who are willing to donate \$1,500 each for these initiatives.

6.7 Budget Summary to Implement Plan

Item	E-rate	Anticipated Costs	Actual Cost	Company
Digital video-camera	NA	\$600		Sony
15 SMART Boards	NA	\$16,500		InfoCor
15 Wireless Projectors	NA	\$11,000		Epson
Interactive Response system		\$1,500		InfoCor
(40), 2.5GHz, 2.5GB RAM, 320 GB Hard Drives, DVD-drive	NA	\$24,000		

15 iMacs	NA	\$18,000		Apple
large screen tv's (3)	NA	\$2,400		
10 DVD RW players		\$600		
Video-conferencing equipment	NA	\$8,000		
Web-design software	NA	\$1,000		
Math Blaster	NA	\$2,100		Sunburst
Computer monitoring software (SynchronEyes)	Y	\$735		Smart Technologies
Reading Blaster	NA	\$2,100		Sunburst
Destination Math		\$950		Sunburst
Mathville Mindway		\$600		Soft Choice
Netbook Computers (30)		\$16,000		

7.1, 7.2, 7.3 Monitoring and Evaluation

Level 1 - Student progress

Student abilities will be measured in the beginning of the academic year, and then at the end of that academic year. Evaluation tools developed by the teacher will measure this progress. Teachers will also evaluate their own students on whether student progress is meeting their expectations.

Level 2 - Teacher progress

Teachers will be surveyed to determine whether the HAART program is satisfying the goals and objectives that have been set out for the students and for themselves. The teachers will provide a statement of whether the training they receive is providing them with an appropriate knowledge base. Teachers will be assessed using an Assessment Checklist (Appendix A)

Level 3 - Administration satisfaction

The Holy Apostles' principal in cooperation with the Technology Committee will provide information related to the relative success of the program including student progress, whether the hardware needs are met, and the response from teachers, parents, and other interested parties. Technology planning will become a part of our WNSA accreditation process as it will be incorporated into curriculum and our long-range planning.

Process for Reporting to Stakeholders

As an accredited school, Holy Apostles will present its efforts to WNSA. The School Committee has taken a very active role in what our school is accomplishing. They will be provided with reports to assess how our technology plan is progressing. The monies spent for technology by the Home & School Assoc. will need validation by their leaders in order to continue funding. A report will be presented to them for their approval. A newsletter, *In Touch*, will be attempted, to report back to the larger community on the advances of the school.

Appendix A

Assessment

Rate your present level of competency. Then box in where you would like to be. 1 (low) to 4 (high)

Computer Basics

- 1 2 3 4 knows computer terminology
- 1 2 3 4 connects, disconnects and reconnects a computer and printer
- 1 2 3 4 locates, opens and relocates already saved documents
- 1 2 3 4 understands system, memory and storage as they apply to software and hardware
- 1 2 3 4 uses and understands the importance of virus protection software
- 1 2 3 4 accesses CD reference resources

Word Processing

- 1 2 3 4 compose, save and print letters on a computer
- 1 2 3 4 creates tests and worksheets
- 1 2 3 4 incorporates graphics or tables into work

Database

- 1 2 3 4 create files that store, organize and report information such as class lists or grades
- 1 2 3 4 generate grades and progress reports electronically

Graphics and Multimedia

- 1 2 3 4 produce certificates and bulletins with graphics
- 1 2 3 4 take pictures digitally for import into documents
- 1 2 3 4 create a slide presentation
- 1 2 3 4 incorporates sound and motion into a presentation
- 1 2 3 4 can connect a computer with a large screen monitor

Telecommunications

- 1 2 3 4 send and receive information via electronic mail
- 1 2 3 4 send and receive files via e-mail
- 1 2 3 4 uses the Internet
- 1 2 3 4 can do a search on the Internet
- 1 2 3 4 transfer text and graphics from a website to software
- 1 2 3 4 design a Web page

Instruction and Curriculum

- 1 2 3 4 incorporates technology into the curriculum
- 1 2 3 4 develop student assessments to include technology components
- 1 2 3 4 awareness of the hierarchy of technology skills in teaching
- 1 2 3 4 challenge students to use previously learned technology skills to complete their classwork
- 1 2 3 4 uses presentation software for lessons
- 1 2 3 4 works with computer teacher to integrate the lesson plans
- 1 2 3 4 can utilize distance learning

Appendix B
Curriculum

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