

EXECUTIVE SUMMARY

In support of the overall mission of Holy Name of Jesus School and to prepare its students for the challenges of life ahead, the school's Technology Planning Committee has created a *three-year Strategic Plan for Educational Technology*. This plan covers the years July 1, 2007 - June 30, 2010. The following pages address technology's curriculum linkages, staff development in teaching with technology, the development of a robust educational technology infrastructure, and the budgets and resources necessary to activate and maintain this plan.

This plan lays out a strategy by which widespread integration will occur. This plan takes the position that technology is a tool that can be applied broadly across the curriculum. In fact, the value of technology is its value as an integrated curriculum tool or strategy. Our goal therefore is not to teach technology solely for its own sake. Rather, we have set out a sound *curriculum integration* plan, which identifies ways in which students and teachers will use technology as a part of their overall educational experience.

In order for technology to become so thoroughly integrated into our curriculum, we must engage upon a rigorous and systemic program of *staff development*. Our teachers need the technology-using skills necessary to incorporate multimedia, the Internet, and sophisticated curriculum software into their classes.

Moving well beyond the basic operation of technology devices, our teachers need to develop the ideas and visions necessary to see how technology can truly reform instruction. This plan describes how we will develop these skills and visions within our teaching staff through support, training, and other opportunities.

I. CURRENT ASSESSMENT

Holy Name of Jesus School currently has the following inventory of equipment:

Type	Quantity
Laser printer	5
Pentium II machines	16
Pentium III	4
Pentium IV machines	2
16 port hubs	4
24 port switches	2
Router	1

The computers are located in the school office, computer lab, library, and in the classrooms.

Holy Name of Jesus School currently has the following inventory of software: (See Attached Listing).

Holy Name of Jesus School will strive to allow student access to the latest technology. In general, we believe most computers in our school will be of service for a period of 5 – 6 years. Hubs, routers, switches will be replaced as we are advised by our technician.

Holy Name of Jesus School has been partially (fully) wired. We currently have ___ classrooms wired to the school's internal network. Most of the classrooms have their own computer or share one with a neighboring classroom. The wired classrooms are all connected to the Internet. All of the computers in our computer lab are connected to the internal network and Internet via high speed access. Our main office and library are also wired and connected to the Internet.

Our school has an Acceptable Use Policy that is included in the school's Student / Parent Handbook.

Our current Technology Plan was approved by the Diocese of Brooklyn, Office of the Superintendent and will expire in June of 2007.

II. GOALS

Keeping in mind our mission, vision, and the current status and usage, the following are our goals for the next three years.

A. Curriculum

Our goals for the integration of technology into the curriculum will be implemented over the next three years by using the kinds of activities listed below. We have indicated several curriculum objectives that would fulfill the related goal.

1. Students will use technology to expand their knowledge and improve their curriculum-specific critical thinking, problem solving and decision making skills.

Elementary

- Students will use software to experience the alphabet, numbers, shapes, and color, with animation, sound and interesting associations
- Students will use software to build and reinforce basic skills in mathematics using problem solving software
- Students will use software to gain new concepts and understanding scientific exploration
- Students will use software that assists in organizing brainstorming efforts
- Students will use software that involves choosing strategies to solve problems and explores consequence of these decisions

- Students will use software to create spreadsheets to analyze survey data in table and graph formats
- Students will use software to reinforce vocabulary and comprehension
- Students will use multimedia research tools
- Students will use simulation software in science and math to learn to utilize the information they have learned
- Students will use spreadsheets/graphs to analyze statistics and equations
Students will use software to develop comprehension. And understand literature and content area material
- Students will use live interactive white board technology to accomplish the above.

2. *Students will access, analyze, synthesize and evaluate information using technology-based tools.*

Elementary

- Students will use software and videos as a data resource to access and process information
- Students will use online services and the Internet to locate information and must evaluate its value and synthesize pertinent information
- Students will use databases and software to locate and compare data
- Students will learn how to gather and interpret experimental data using various scientific software

3. *Students will use technology to communicate information in expedient and creative forms.*

Elementary

- Students will use word processing software to create and edit publishable written documents
- Students will use online services and the Internet to publish text and graphic information
- Students will use telecommunications to communicate with other classrooms
- Students will use presentation hardware to make effective group presentations
- Students will learn how to use desktop publishing, clip art, drawing tools, scanners and digital cameras to create layouts combining text, graphics and photographs and to communicate effectively
- Students will create multimedia presentations that combine text, graphics, music, voice and video

4. *Students will use technology as a tool to increase their productivity and achievement.*

Elementary

- Students will use word processing, drawing, painting, spreadsheets, and databases to increase their productivity in classroom work.
- Students will use multimedia software to create presentations to their classes and/or school community

5. *Students will use technology to work ethically, independently and collaboratively with a diverse population both within the classroom and schools, and beyond - across school, state, national and international boundaries.*

Elementary

- Students will use online services and the Internet to identify appropriate contacts, e.g. other students, experts, institutions, etc.
- Students will use the telecommunications devices and on-line Internet services to communicate with other students, scientists, specialists, poets, etc. via email, faxes, and video-conferencing

B. Technology Infrastructure

Holy Name of Jesus School will provide a wide range of information technology, networks, and software applications to support its curriculum and the administration of the program.

Hardware will be purchased and networks will be built and extended over the next three years of this plan. The addition and / or extension of wireless connectivity will be considered and where possible, implemented.

The school's infrastructure will include:

- Computers and related equipment
 - Computers – desktop, laptop and handhelds
 - Printers
 - Presentation hardware
 - Live Interactive Whiteboard technology
- Online resources/telecommunications
 - Telephones (land lines and cellular service)
 - Local area networks
 - Internet access for classrooms, library/media centers, and administrative offices
 - A school web site

- Faxes
- Video/still photography
 - Televisions
 - VCRs
 - Cable transmission
 - Cameras
 - Video disks
- Audio equipment

Software will be purchased or updated over the next three years of the plan. The following types of software will be sought:

- Office Suite to include: word processing, spreadsheet, database, and graphic presentation (MS Office Pro, Lotus Smart Suite, Corel Word Perfect Office, etc.)
- Desktop Publishing (Microsoft Publisher, Amazing Writing Machine, Storybook Weaver; Ultimate Writing and Creativity Center, Print Shop Deluxe, etc.)
- Graphic Organizer (Kidspiration, Inspiration; Timeliner)
- Graphic Presentation software (Hyperstudio, mPower, KidPix)
- Multimedia encyclopedias and research material (Encarta, World Book, Grolier, etc)
- Software produced by textbook publishers (that is beyond "drill and practice")
- Science simulation software (Science Court, Science Seekers)
- Math simulation software (Math Mysteries, Math Adventures, Prime Time Math, Geometers Sketch Pad, etc.)
- Exploration / geography software (National and International Inspirer Series)
- Typing software (Mavis Beacon, Stickybear Typing, etc.)
- Moral decision making software (Choices, Decisions)
- Graphing software (Graph Master, The Graph Club, etc.)
- Map Skill software (Neighborhood Map Machine, Mapmaker's Toolkit)
- Drawing / Painting software
- Photo re-touching software
- Data Driven Instruction software (Classroom Performance System)
- On-line technology instruction software (EasyTech)

It is important that the hardware, wiring, connectivity and Internet access all support the curriculum and instructional strategies of the school. In planning for this to occur, the Holy Name of Jesus School Technology committee in conjunction with the principal will ensure that:

- All classrooms, offices and resource areas of the school are connected to the school's network and the Internet.
- The computers in each classroom and lab are the latest affordable

III. STAFF DEVELOPMENT

A staff that is confident and knowledgeable in the use of technology is essential to attaining our curriculum goals for our students. Staff development activities need to provide the staff with the opportunity to learn about current and emerging technology, methods of incorporating technology into the classroom, and the support required to implement changes.

Holy Name of Jesus School will provide current technology and continual staff development so the staff can use this technology to:

- Improve instructional strategies to increase student achievement and love of learning
- Demonstrate leadership and vision in the use of technology to increase their own productivity and achievement
- Collaborate through sharing of skills, resources, and professional research with colleagues within the local school system and beyond
- Enhance professional skills
- Assess student work accurately and efficiently
- Apply technology to curriculum (math, social studies, etc.)
- Use multimedia resources to enhance learning
- Use networked systems to share information
- Use on-line resources to integrate instructional resources
- Improve appropriate use of Live Interactive Whiteboard Technology

Staff development opportunities will be offered throughout the school year using the following sources:

- Diocesan workshops
- Workshops offered through the New York City Department of Education, Bureau of Non-Public Schools
- Title IIa Graduate Courses
- National Trade Shows / Conferences that come to the local area
- Using "in-house" experts to conduct local workshops

IV. BUDGET AND FUNDING OPTIONS

A. Budget

Money is allocated through the attached projected 3 year budget excerpt and is explained in the attached Budget Narrative.

B. Funding Options

The school has several options in funding this plan. Any one of or a combination of the following strategies is possibilities:

- Through the annual budget

- Through Title II funds
- NYSSL funds
- Obtaining grants - federal, state, private
- Matching grants from the diocese
- Community resources
- Partnerships with the public schools
- Partnerships with high schools, colleges and universities

V. EVALUATION

Frequent evaluation of the implementation of this plan is essential to its success. In addition, because we consider the plan a work in progress, modifications may be suggested along the way as evolving appropriate and effective curriculum connections develop, as the staff and students become more sophisticated and as new and emerging technologies come to the forefront. In evaluating the implementation of all aspects of the plan, the Principal will ensure that:

- There is a scheduled review process twice a year
- Widespread curriculum integration is occurring and developing
- The staff development process is fostering increased use of technology
- Staffing patterns and effectiveness of performance is assessed
- There continues to be relevant and effective curriculum connections
- Frequency of use by staff and students is monitored
- Skill levels of students and staff is tracked and monitored
- Equipment purchases, repair and maintenance is on schedule