

# A Vision for the Future

*Johnson Elementary  
Rochelle, Illinois*

# Johnson Elementary School

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## *Computer Network Request for Proposal*

### ***Building***

Johnson Elementary was constructed during the middle 1970's and is currently the primary elementary school for the northwest side of the community. Nothing unusual about the building construction is noted. The typical classroom is 25'x25'. The hallways and classrooms are equipped with suspended ceilings. Florescent lighting is used throughout. Power is available every six feet in classrooms and in the Library Resource Center (LRC).

A floor plan and detailed room usage information sheet is provided in the appendix.

### ***Current Computer Configuration***

This building currently has one computer lab located in room 996. This computer facility has 36 Benchmark 386 computers (one instructor computer and 35 student computers). The lab also has 18 Panasonic kxp1180 dot matrix printers. Each printer is shared between two computers using a manual switchbox. These systems are used primarily to run drill and practice software provided by a textbook publisher. Projection of the instructor machine is done through an LCD panel that sits on top of a standard overhead projector. This LCD panel is capable of displaying a screen resolution of 640x480 with a color depth of 256 colors.

The LRC has a total of 12 computer systems two for cataloging, and ten used to run electronic searches from CD-ROMS. The cataloging systems were purchased as part of a "turn-key" cataloging system and must remain with the system. The ten patron stations are Benchmark 386 systems with CD drives. These stations were purchased at the same time as the lab systems. There are no printers connected to the patron stations.

The three office secretaries are using newer G3 iMac computers. These systems are used almost exclusively for word processing. Printing for the secretaries is accomplished using three standalone HP Deskwriter 540 printers.

No other computer systems exist in the school at the present time.

### ***Computer Support***

Currently, computer support is provided by one of the library media specialists. This individual also serves as the computer lab "resource teacher". This function of the media specialists job has become increasingly time consuming as all of the computer systems are out of warranty and replacement parts are becoming harder to find.

### ***Administration Involvement with Technology***

Both the principal and assistant principal believe that an increase in technology utilization is essential for both the students and faculty. While they are supportive of technology initiatives,

their technology skills are very minimal and can provide very little in the way of technology "vision" for the school.

### ***Current Faculty Involvement with Technology***

Faculty are currently uninvolved with technology in any meaningful way. All computer work is currently coordinated and supervised by the resource teacher. In an informal survey of the teachers taken by the principal, 80% of the teachers felt completely unprepared to even assist the resource teacher in the lab. The majority of teachers surveyed indicated an interest in increasing technology utilization, but were unclear how to integrate technology into the curriculum. Those same teachers expressed concern over how much time new technology would take to learn, and how integration of technology might detract from their ability to cover their current content.

### ***Student Involvement with Technology***

Students are currently provided one 45 minute per week session in the computer lab with the resource teacher. Computer time is spent running drill and practice software related to the current classroom topics.

### ***The mandate***

Preliminary meetings with local businesses and taxpayers lead us to believe that now is the time to ask for funding to bring our school into the 21<sup>st</sup> century. We believe, and the community supports our belief, that technology integration into our schools is no longer an option. Students leaving our school and moving to the middle school are at a distinct disadvantage compared to students from other feeder schools. It is also widely felt that improvements in the technology used for administrative tasks would greatly improve efficiency.

As a result of these meetings, a focus group was empanelled and charged with identifying technology goals for our school. The panel sees the following list of items as essential

- All classroom teachers must have computer access
- All administrative and support personnel must have computer access
- Each classroom first through fifth must have three computers available for student use
- All computers should have access to the Internet
- All computers should have access to some type of internal network system to facilitate file sharing and personal file storage.
- All faculty and staff computes should have access to e-mail to facilitate communications between employees and between parents and teachers
- All computers should have access to current productivity tools such as Microsoft Office
- Changes to furniture and lighting as necessary
- Purchase of additional AV equipment to facilitate use of the technology in the classroom as necessary

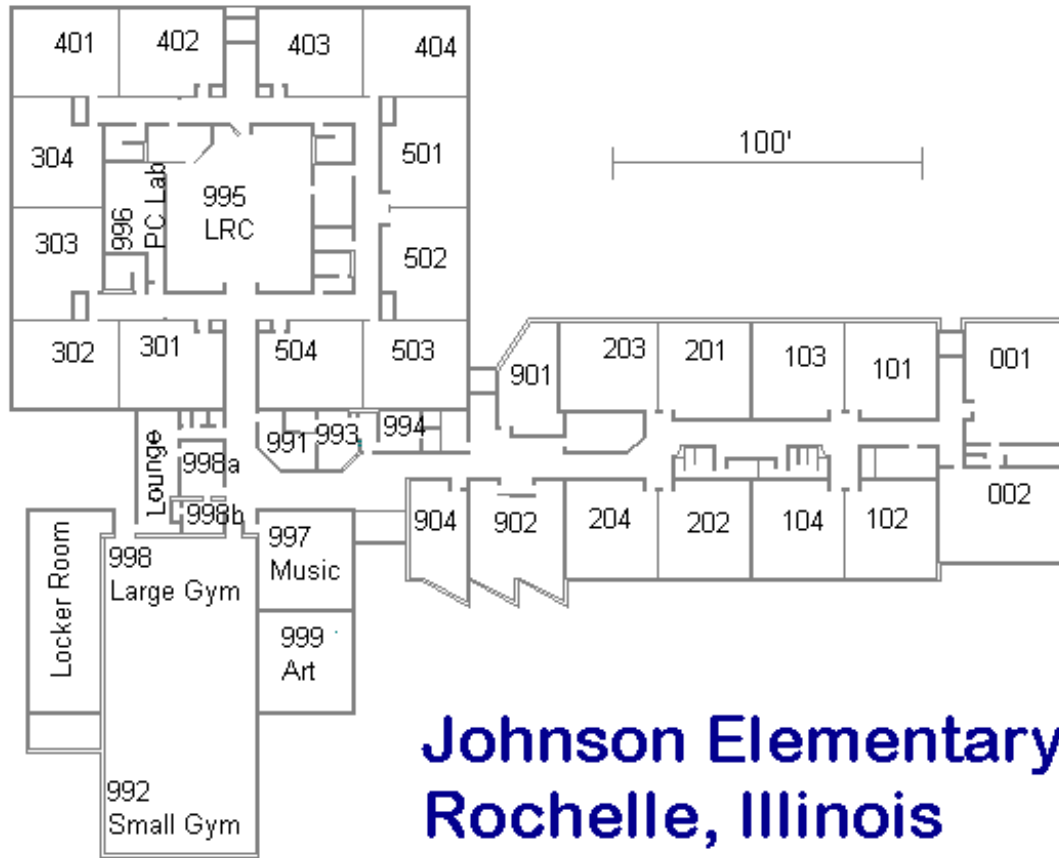
This list of essential items is by no means exhaustive. They were simply the ideas of a group of concerned citizens.

## ***Project Parameters***

As we have never asked for money for technology before, and since we have such strong support for this initiative, cost of this project is not the primary concern. You and your team are asked to develop a technology vision for the school that will work now and in the future. Your solution and all supporting documentation will be presented to the community (a.k.a. our class) on December 5, 2002. Presentations are scheduled to last 30 minutes with a brief question and answer session lasting no more than five minutes following the presentation. Your presentation should address all essential items, as well as essential items you discover during your research not covered by the "wish list."

Should you need additional information not provided by this document, please send the request to [baules@nttc.org](mailto:baules@nttc.org). To guarantee a fast response to your question, please use the subject line ETT592-Project for all email correspondence.

*Appendix A – School Floor Plan*



# Johnson Elementary Rochelle, Illinois

*A computer version of this file is available upon request*

***Appendix B – Room Key***

Room Number	Purpose	Capacity	Enrollment	Student	Teacher	Notes
001	Kindergarten	30	22	Yes	Yes	
002	Kindergarten	30	24	Yes	Yes	
101	First Grade	30	28	Yes	Yes	
102	First Grade	30	26	Yes	Yes	
103	First Grade	30	27	Yes	Yes	
104	First Grade	30	25	Yes	Yes	
201	Second Grade	30	29	Yes	Yes	
202	Second Grade	30	27	Yes	Yes	
203	Second Grade	30	26	Yes	Yes	
204	Second Grade	30	29	Yes	Yes	
301	Third Grade	30	30	Yes	Yes	
302	Third Grade	30	28	Yes	Yes	
303	Third Grade	30	28	Yes	Yes	
304	Third Grade	30	27	Yes	Yes	
401	Fourth Grade	30	25	Yes	Yes	
402	Fourth Grade	30	26	Yes	Yes	
403	Fourth Grade	30	24	Yes	Yes	
404	Fourth Grade	30	26	Yes	Yes	
501	Fifth Grade	30	24	Yes	Yes	
502	Fifth Grade	30	25	Yes	Yes	
503	Fifth Grade	30	27	Yes	Yes	
504	Fifth Grade	30	24	Yes	Yes	
901	Special Ed	30	18	Yes	Yes	
902	Special Ed	15	10	Yes	Yes	
904	Conference	n/a	n/a	n/a	Yes	
991	Principal	n/a	n/a	No	Yes	
992	Small Gym	n/a	n/a	No	No	
993	Main Office	n/a	n/a	No	Yes	Three full time secretaries
994	Asst. Principal	n/a	n/a	No	Yes	
995	LRC			Yes	Yes	Two circulation systems and ten workstations
996	PC Lab	35		Yes	Yes	
997	Music	45		No	Yes	
998	Large Gym	n/a	n/a	No	No	
998a	PE Office			No	Yes	Two teacher desks
998b	PE Storage			No	No	
999	Art	35		No	Yes	

*A computer version of this Excel document is available upon request*