

The Technology Committee of the Keshequa Central School District has collectively agreed to the following belief statements about the use of technology within the district:

**BELIEFS**

- ≈Technology includes more than computers; technology includes any machines/accessories that increase and enable learning (ie. Multimedia, cameras, robotics).
  
- ≈Students graduating from Keshequa will demonstrate mastery of basic competencies in using technology.
  
- ≈Computer literacy/friendliness is critical to job success in the current marketplace.
  
- ≈All teachers will teach, integrate and/or support technology within the classroom.
  
- ≈To succeed, the plan to integrate technology into the academic curriculum needs backing from parents, administration, board, teachers and students.
  
- ≈Technology encourages success in problem solving and logic for a wide range of abilities/grade levels even in the same class.

## **DISTRICT GOALS**

In order to graduate from the Keshequa Central School District, a student must demonstrate knowledge and skills of the following:

### **GOAL 1:**

#### **Personal Computer Application**

Students will have the knowledge and skills that empower them to create a document within a required time frame.

### **GOAL 2:**

#### **Electronic Information Access**

Students will demonstrate the capability of collecting data electronically.

### **GOAL 3:**

#### **Demonstration Project**

Students will demonstrate understanding of the relationships among academic subjects and a variety of technological media by creating a final demonstration project using computer and media.

## **GOAL 2 - key concepts**

**By the fourth grade, students will use the cd rom for gathering information about a predetermined topic.**

**By the sixth grade, students will refine their use of cd rom for gathering specific information for use in content area classes.**

**By the eighth grade, students will use electronic mail to communicate with others to elicit information and on-line databases, cd-rom, and the automated library to gather up-to-date information for projects.**

**By the twelfth grade, students will evaluate and organize information in a final demonstration project. (see GOAL 3).**

## STAFF DEVELOPMENT PLAN

The survey of staff at Keshequa confirmed the projections of the technology committee for the need for training.

Several options concerning staff development will be made available to staff members at Keshequa:

1. Individual teachers may seek individual tutoring from staff who feel confident about using the technology currently available. This will be widely advertised so that everyone knows he/she may do this.
2. Series of inservice afternoons will be scheduled:
  - a. a needs assessment will be given to staff to identify specific needs including platform choices
  - b. people on staff will be paid to teach these
  - c. one night a week
  - d. staff will identify emerging needs and programs will be made available through BOCES on new technologies and/or integration
3. Coordinated with building meetings or department meetings, teachers will work with the LEARNER CENTERED CURRICULUM and the curriculum frameworks to align teaching and learning at Keshequa with state expectations.

## KEY CONCEPTS

### GOAL 1 -key concepts

By the fourth grade, students will use keyboarding skills at 15-20 wpm, and understand the basics for word processing.

By the sixth grade, students will use keyboarding skills at 25-30 wpm, and will create, edit, and print a document.

By the eighth grade, students will maintain their keyboarding skills of 25-30 wpm, and will create, edit and print and document, and will create and use a database using at least 4 fields.

By the twelfth grade, students will keyboard at least 40 wpm with 98% accuracy, and will use wordprocessing, databases, spreadsheets, and graphics with proficiency to create a document.

### **GOAL 3- key concepts**

By the fourth grade, students will create a single page document in word processing.

At the sixth grade, students will create an introductory research paper using the cd rom as at least one resource, and the document will be created in the word processing program.

At the eighth grade level, students will do an interdisciplinary research paper using cd rom, electronic mail, and the automated library to gather information.

At the twelfth grade level, students will use a variety of technological media to produce a culminating interdisciplinary demonstration project.

	GOAL 1	GOAL 2	GOAL 3
Grade 4	<p>15-20 wpm            Use home row            Boot computer            Start a new file            Save a file            Retrieve a file            Create a one page document</p>	<p>Use cd rom for information gathering            Search on cd using key works provided</p>	<p>Create a letter or other            single page document</p>
Grade 6	<p>Maintain skills from Grade 4            25-30 wpm</p>	<p>Narrow topics            Search cd without assistance            Print selected material</p>	<p>Create an introductory            multipage research paper</p>
Grade 8	<p>Maintain skills from Grade 6            Use spellcheck            Use option tables</p>	<p>Use e-mail to gather information            Search on-line database using key words            Access materials using automated library</p>	<p>Create an inter-            disciplinary research            paper</p>
Grade 12	<p>Maintain skills from Grade 8            Use spreadsheet            Create graphics            Integrate between functions</p>	<p>Maintain and refine research            capabilities</p>	<p>Use a variety of media            to produce a            demonstration</p>

**DRAFT**