

“Technically Speaking” Kathi Decker



For further information contact

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2005-2006 IDEA CATALOG OF EXCELLENCE

PROGRAM OVERVIEW

“Technically Speaking” is a daily program designed to merge the practices of daily oral language, (DOL), daily oral math (DOM), and “Morning Message” with technology. Through this program the teacher can introduce and reinforce language arts, reading, and math skills, while helping students become computer literate. Since it is used each day, instruction can be modified as needed to address the needs of the class. Teachers may celebrate their students’ successes and build their confidence and self-esteem by displaying different children’s work, for all students in the class to see. The focus of the day’s lesson can be grammar, the writing conventions of capitalization, punctuation, and spelling, or basic math skills,

In a DOL or DOM session, the teacher presents a mini-lesson, and then assigns 5 practice items to the students. The task can be completed in various ways, students might be paired cooperatively; high-low, 1st-2nd grade, or they may work independently. In addition, answers may be written on paper, individual chalkboards, or whiteboards. After a short period of time, the work is checked as a group. Volunteers are chosen by the teacher to demonstrate or explain how they arrived at the correct answer. By using the USB tablet along with the projector, or scan

converter, a student can draw his/her answer, which is projected onto the large screen. Different font sizes and colors can be employed to draw attention to specific words or numbers. At this point, other members of the class are invited to share alternative solutions, or the teacher may reveal or reinforce other possible strategies to use to solve a problem. If a scanner is available, the child’s work could be scanned and displayed instead.

Describe the students:

My students are first and second graders in a Primary Multiage class at a Title I school, who are accustomed to working together in cooperative groups.

OVERALL VALUE – ISTE/NETS OBJECTIVES

“Technically Speaking” is an open-ended activity that can be used at any elementary grade level. All students need to experience a daily routine of review and practice of basic skills in order to become successful at mastering them.

The enticement of employing technology motivates the students to want to participate; they look forward to these activities each morning. Many different components of technology can be incorporated into the program, such as the use of a desktop or wireless computer, an EIKI LCD projector or a scan converter, an ELMO visual presenter, or a Vizcam presentation camera, a wireless keyboard and wireless mouse, a Smart Board interactive whiteboard, and a laser printer. These electronic devices can be combined in a variety of ways to accomplish each task.

This program helps the students meet the “No Child Left Behind” goals for technology in 21st Century Schools.

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SUBJECTS COVERED

Math, Language Arts, Writing & Technology

GRADES

Kindergarten - Third

MATERIALS/FACILITIES

This program takes place in a regular classroom setting with the students seated together at tables. A Smart Board interactive whiteboard, movie projector screen, or whiteboard surface needs to be in open view of all students. A must for the program is a computer and an LCD projector, or a scan converter connected to a television. A wireless keyboard and mouse combination is a plus for creating a “Morning Message”. A bonus item which simplifies the process is a visual presenter (ELMO or Vizcam); it allows any item placed under the lens, to be viewed instantly.

The students especially enjoy using a wireless microphone as they take turns exhibiting and explaining their work. An available printer permits the students’ work to be printed out so that they may share it at home.

SUNSHINE STATE STANDARDS

*** READING**

(LA.A.1.2) The student uses the reading process effectively

*** WRITING**

(LA.B.1.2) The student uses writing processes effectively.

(LA.B.2.2) The student writes to communicate ideas and information effectively.

*** LANGUAGE ARTS**

(LA.C.1.2) The student uses listening strategies effectively.

(LA.C.3.2) The student uses speaking strategies effectively.

*** MATH**

(MA.A.1.1) The student understands the different ways numbers are represented and used in the real world.

(MA.A.2.1) The student understands number systems.

(MA.A.3.1) The student understands the effects of operations on numbers and the relationships among these operations, selects appropriate operations, and computes for problem solving.

(MA.A.4.1) The student uses estimation in problem solving and computation.

(MA.A.5.1) The student understands and applies theories related to numbers.

(MA.C.1.1) The student describes, draws, identifies, and analyzes two- and three-dimensional shapes.

(MA.C.2.1) The student visualizes and illustrates ways in which shapes can be combined, subdivided, and changed.

(MA.C.3.1) The student uses coordinate geometry to locate objects in both two- and three-dimensions and to describe objects algebraically.

(MA.E.2.1) The student identifies patterns and makes predictions from an orderly display of data using concepts of probability and statistics.

ISTE National Educational Technology Standards for Students met:

1. Basic operations and concepts

* Students demonstrate a sound understanding of the nature and operation of technology systems.

* Students are proficient in the use of technology

2. Technology communications tools

* Students use telecommunications to collaborate, publish, and interact with peers, experts, and other audiences.

* Students use a variety of media and formats to communicate information and ideas effectively to multiple audiences.

3. Social, ethical and human issues

* Students develop positive attitudes toward technology uses that support lifelong learning, collaboration, personal pursuits, and productivity.

ABOUT THE DEVELOPER

Kathi Decker teaches a Primary Multiage class of 1st and 2nd graders at Eagle Lake Elementary. She has 23 years teaching experience and is certified in Early Childhood and Elementary Education. She has also taught reading in the ESOL program at the East Area Adult School and at Polk Community College.

In addition, she has a Master’s degree in Language Arts, is National Board certified as an Early Childhood Generalist, and is presently pursuing a doctorate degree in Instructional Technology.

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DIRECTIONS/PROCEDURE

PLAN #1:

Daily Oral Math/or Daily Oral Language

Objectives:

Each day the students will:

- * complete a worksheet of 5 items, independently or cooperatively.
- * share answers and make corrections assisted by the teacher.
- * volunteer to display and explain strategies used to find answers.

PLAN #2:

Morning Message

Objectives:

The student will:

- * develop a positive attitude toward technology use
- * learn keyboarding skills
- * use a wireless keyboard and wireless mouse to create a Word document.
- * create an original message
- * learn to change fonts and font colors
- * insert and format a picture or symbol into a document
- * improve spelling and conventions of print (punctuation, grammar, capitalization)
- * read a paragraph
- * speak before an audience
- * A student is chosen to complete a form (see example) that tells the date and other important information about the day.
- * While the student types on the wireless keyboard, the teacher assists as needed on the desktop or laptop keyboard.
- * The student edits and revises as needed.
- * The student reads the message aloud to the class.

- * The student chooses peers to identify parts of speech, conventions of print or specific vocabulary.
- * Skills identified are color coded, underlined, or highlighted using the USB Tablet or Smart Board interactive whiteboard technologies.
- * (Optional) The teacher prints the Morning Message for the student to take home.

Sample Message:

Today is Thursday, March 17, 2005. It's St. Patrick's Day! It will be fun to pretend to be Irish. Some people think that if you wear green today you will have good luck. We go to Art today. Maybe Mrs. Lopez will let us do some leprechaun art. (If you catch a leprechaun, he MUST give you his pot of gold.)

