

Washington State TECHNOLOGY FOR LEARNING DIFFERENCES PROJECT



2006-2007

Administered by the Special Education Technology Center
Central Washington University, Ellensburg

Congratulations!

- Your child's classroom has been awarded a grant for \$23,000.00 to purchase technology hardware, software, and teacher training.
- Your child will have access to some of the most effective, research-based, technology and programs available to educators.
- In addition to helping your child achieve in school, this project will provide valuable technology and literacy skills that can be used throughout life.
- The success of this project will greatly depend upon you as a parent. Your child and the teacher will both be learning new things and will need your support as implementation occurs.

PAST PROJECT RESULTS

Technology's power can transform a struggling student's academic career by generating improved...

Technology skills

Reading skills

Writing skills

Math skills

Self concept

Motivation

Behavior

Attitude toward school



(RMC Research Reports 2000-06)

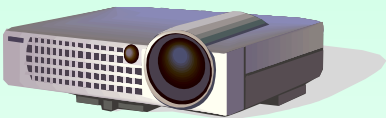
CLASSROOM TECHNOLOGY

- Wireless teacher and student laptop computers, desktop computer



Builds reasoning, tech confidence, reading & writing productivity, creativity, job skills

- Multimedia Projector



Involves whole class, keeps students' attention

- Document camera



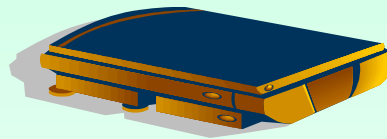
Allows for constructivist, student-centered class via instant 3-D sharing of student work and visuals

TECHNOLOGY HARDWARE

- Interactive whiteboard



- Scanner



- Digital Cameras



- Interactive lesson activities with visuals, movement, recall

- Convert written text and worksheets into spoken digital text

- Capture images used in real world math

COMPUTER SOFTWARE

- Text-to-speech;
Interactive reading &
writing
- Word-prediction
- Built-in study tools
- Students can instantly
see and hear what
they read and write
- Computer anticipates
and speaks what non-
spellers want to write
- Dictionary, thesaurus,
spell-check, highlight,
bookmark, notes,
voice notes, lists, etc.

COMPUTER SOFTWARE

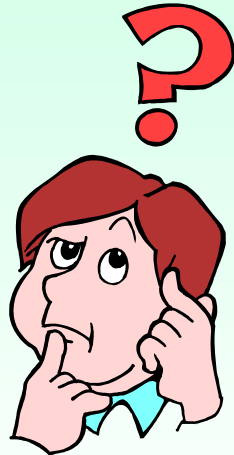
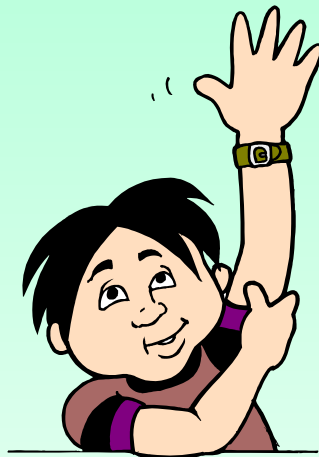
- Voice Recognition
- Concept-mapping
- Presentation
- Testing
- Keyboarding
- Voice to text
- Plan and organize thoughts and concepts
- Share ideas with an audience via PowerPoint
- Computer reads scanned-in tests to student
- Keyboard input can be much faster than writing

COMPUTER SOFTWARE

- Math Facts
 - Enables the memorization of math facts
- Natl. Math Trail
 - Use of a digital camera helps students discover and apply mathematics in the real world.
- Promethean Planet
 - Exemplary, interactive math lessons are shared with classrooms by teachers all over the world

TAX DOLLARS AT WORK

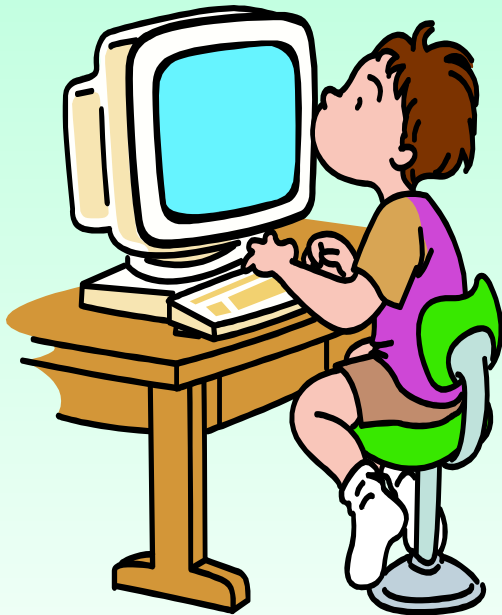
This federal grant must be accompanied by **research**, so the study will be based on these questions:



- Which of the project's hardware and software tools improve students' writing and math problem solving skills?
- What are both the individual and the general successes and challenges of either teachers or students?

DATA COLLECTION

Your child's teacher, SETC and RMC Research, Inc. will follow these guidelines for data collection:



- Parent permission
- Comparison groups
- Students write to prompts (pre and post)
- Students take math problem solving tests (pre and post)
- Teacher and student surveys

PROJECT IMPLEMENTATION

- Teachers receive training
- Teachers use technology with students
- Students write to pre-test prompt and do math pre-assessment
- Teachers implement – students participate
- Teachers (and students) assess writing and math
- Students write (type) to post-test prompt and do math post-assessment
- We all **celebrate students' success!**



WHAT CAN YOU DO?...

Ask your child's teacher
how you can be of support.

