THE SATEC PHILOSOPHY

Technology enhances mathematics learning, supports effective mathematics teaching, and influences what mathematics is taught.

NCTM Principles and Standards

ALL STUDENTS CAN LEARN! PERIOD!

Teachers should:

1. Provide high quality instruction for all students.

2. Have high standards and expectations for all students.

3. Provide support.

A Challenge to Teachers

If you don't believe all students can learn, you need to put the following sign above your classroom door.

To The Parents:

Some students can learn in here, and if you are lucky, your child might be one of them.

$$5x + 3 = 2x + 18$$

WHEN?

WHERE?

WHY?

OUR JOB --

Create work that students will want to do so that they will learn the things we want them to learn.

TECHNOLOGY

AS A TOOL FOR EQUITY, IT CAN PROVIDE ACCESS TO IMPORTANT Mathematics and Science FOR ALL STUDENTS.

Electronic Technologies

- calculators and computers -
are essential tools for teaching, learning, and doing mathematics.

NCTM Principles and Standards

What we seek:

To connect student learning to concrete experiences through the seamless integration of technology into curriculum and instruction.

What level of technology?

We have to develop the mentality that we are willing to spend the same kind of money for all children to learn mathematics as we are willing to help groups on each campus participate in extra-curricular activities. Don't take away the money from those programs, but commit to giving it also to the mathematics and science programs.

BASIC EQUIPMENT

Graphing Calculator/Computer for each student

Projection Equipment: i.e. Document Camera, LED Projector

EQUIPMENT AND SOFTWARE LIST

COMPUTERS

Laptop with Multimedia Capability
8 Gigs Ram Minimum
500 Gigabyte Minimum Storage
Multimedia Software
Image Analysis Software
Can Support External High Speed and
Microscope Cameras

IMAGING EQUIPMENT
In The Classroom

Color Laser Printer with Scanning Capability
Digital Camera supporting HiRes Still and Motion Video
Tripod
Minimum 70" Screen

INTERNET CONNECTIVITY

Hi-Speed Intenet

Vernier Software and Technology Software
And Data Collection Interfaces or Data Collection Software as Needed.

Appropriate probes for data collection in each science and mathematics course

SOFTWARE SET

**Office Productivity
Math Instruction
Science Instruction
Image/Sound Analysis
Data Collection**

Technology will not replace teachers, but teachers who use technology will replace those who don't.

Frank Demana