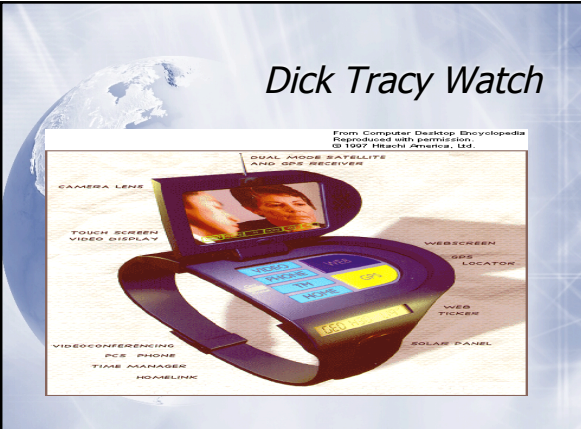## Global Classrooms

Claudia Baldwin, Assistant Principal
Adams Spanish Immersion Elementary
Saint Paul, Minnesota
www.adams.spps.org

The Jetsons

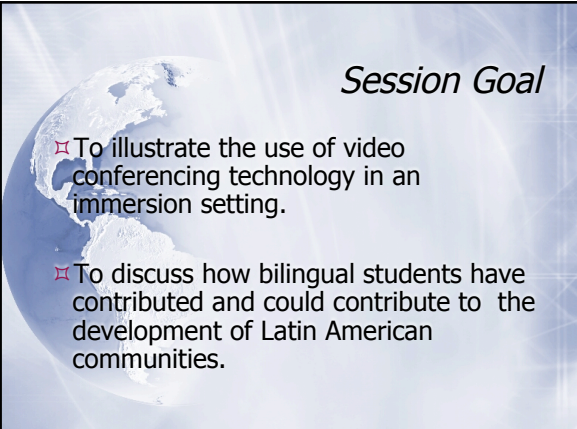## Dick Tracy Watch

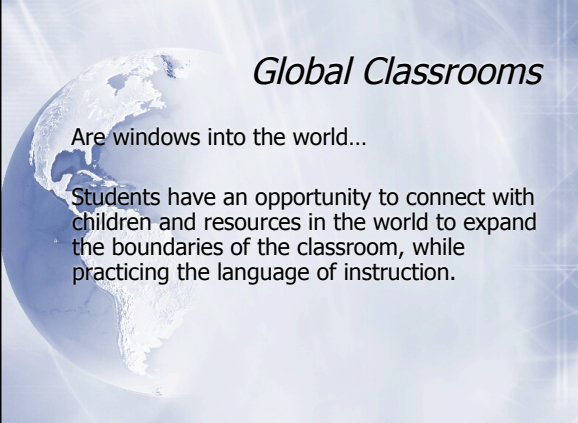## Session Goal

¤ To illustrate the use of video conferencing technology in an immersion setting.

¤ To discuss how bilingual students have contributed and could contribute to the development of Latin American communities.

Global Classrooms

Are windows into the world…

Students have an opportunity to connect with children and resources in the world to expand the boundaries of the classroom, while practicing the language of instruction.
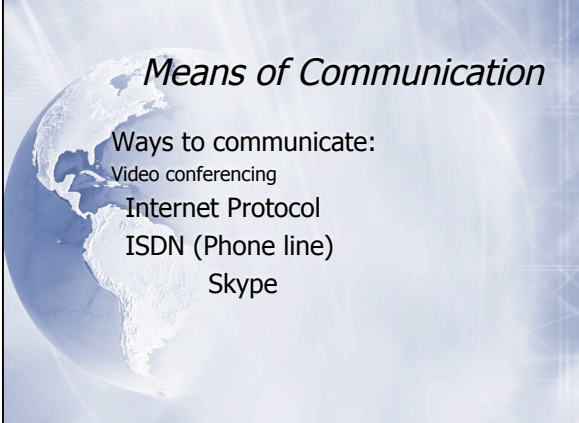
How we communicate with the world?

Computers and internet
I-pods
Cell phones
Smart boards
Video conferences

Global Classrooms

They are equipped with video conferencing equipment for students to communicate with people in other places in the world.

Means of Communication

Ways to communicate:
Video conferencing
Internet Protocol
ISDN (Phone line)
Skype

Equipment

- Computer with a camera
- Polycom camera
- Smart board

Polycom Camera

Polycam Equipment

History

- 1999- Ordway theater in St. Paul videoconference with Red Lake Reservation in North Minnesota.

- Program- Sofrito: Cuban Musical

Videoconference: Peer Mediation Training

¤ Students at a school in St. Paul
¤ With students in Montevideo, MN

Video conference with the LondonTower

Students learned about:
How to dress a knight
Jewels of the Crown

Videoconference with Stonehenge School
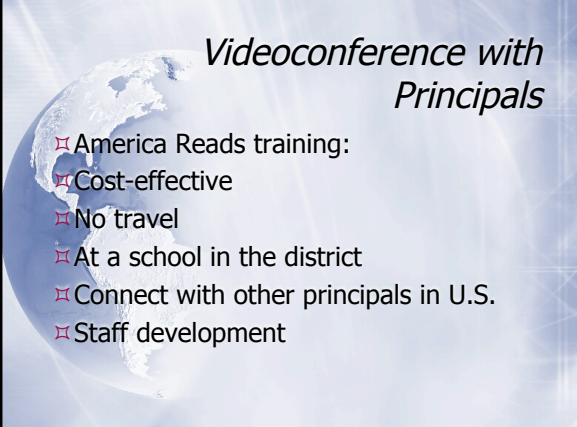
Students learned about
History of Stonehenge
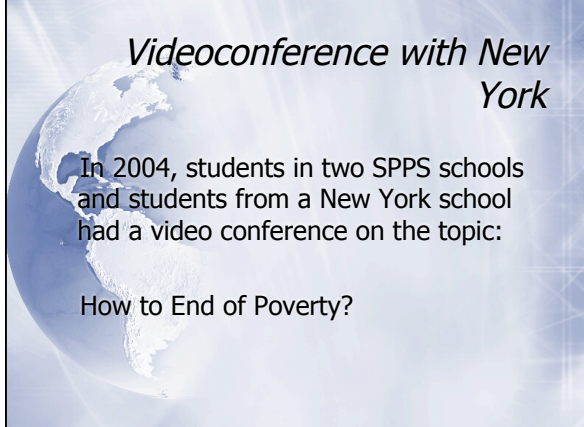
Video conference with Australia

Australian Coral reef:
¤ Underwater videoconference
¤ A diver showed students the underwater sea life: stars, sea cucumber, predators in tank
.

Videoconference with Principals

⌗ America Reads training:
⌗ Cost-effective
⌗ No travel
⌗ At a school in the district
⌗ Connect with other principals in U.S.
⌗ Staff development

Videoconference with New York

In 2004, students in two SPPS schools and students from a New York school had a video conference on the topic:

How to End of Poverty?

Ten areas identified to reduce poverty in Latin America by our students

1. Clean Water
2. Food
3. Housing
4. Health and Hospitals
5. Education
6. Transportation
7. Jobs and training
8. Technology
9. Infrastructure (roads, bridges)
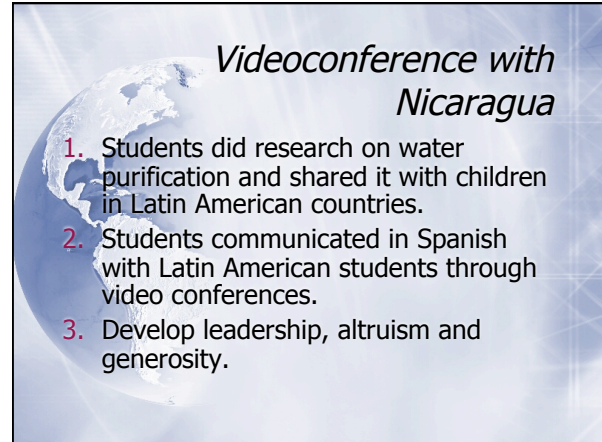10. Manufacturing

Poverty Classification

Extreme Poverty:
When 25% of the population lives below $1 dollar a day.

Moderate Poverty:
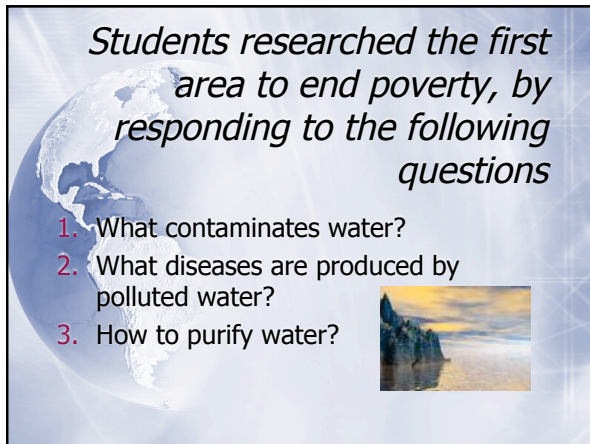When 25% of the population lives below $2 dollars a day.

According to the United Nations Millennium Goals

The deadline to end poverty:
2015 Countries with Extreme Poverty
    (Africa)
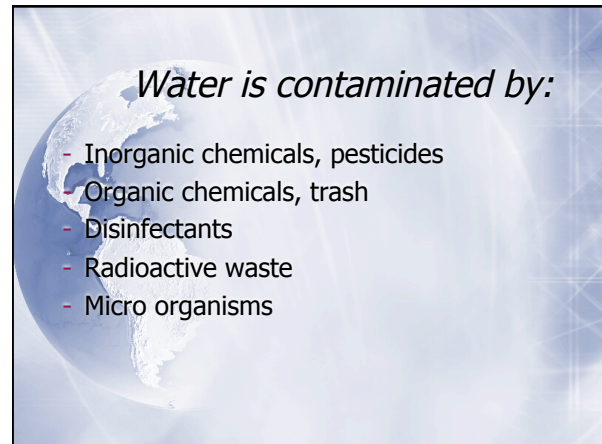2025 Countries with Moderate Poverty
    (Latin America)

Videoconference with Nicaragua

1. Students did research on water purification and shared it with children in Latin American countries.
2. Students communicated in Spanish with Latin American students through video conferences.
3. Develop leadership, altruism and generosity.

Students researched the first area to end poverty, by responding to the following questions

1. What contaminates water?
2. What diseases are produced by polluted water?
3. How to purify water?

Water is contaminated by:

- Inorganic chemicals, pesticides
- Organic chemicals, trash
- Disinfectants
- Radioactive waste
- Micro organisms

How is water contaminated?

What diseases are caused by water pollution?

1. Cholera (e-choli)
2. Typhoid fever
3. Dysentery
4. Diarrhea, stomach aches (ameba)
5. Learning disabilities (lead)

Contaminated water has germs that make us sick

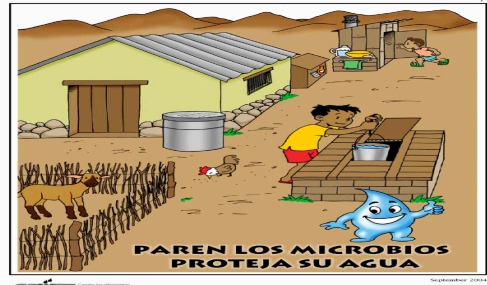## Polluted water

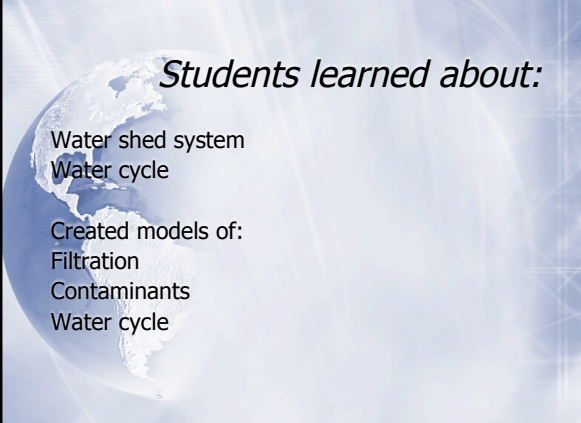Kills 5,000 children per day in the world.

How to purify water

- Prevent littering water
- Boil the water
- Silver filters
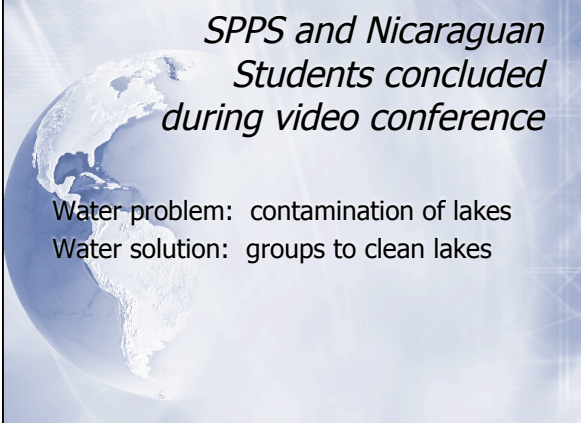- Reverse osmosis
- Water purification plants

Protect the water

PAREN LOS MICROBIOS
PROTEJA SU AGUA

Students learned about:

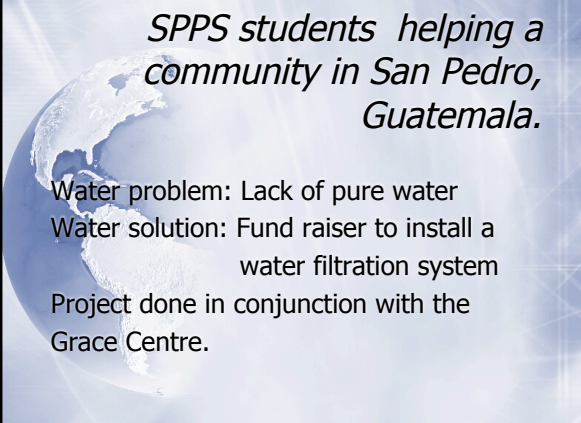Water shed system
Water cycle

Created models of:
Filtration
Contaminants
Water cycle

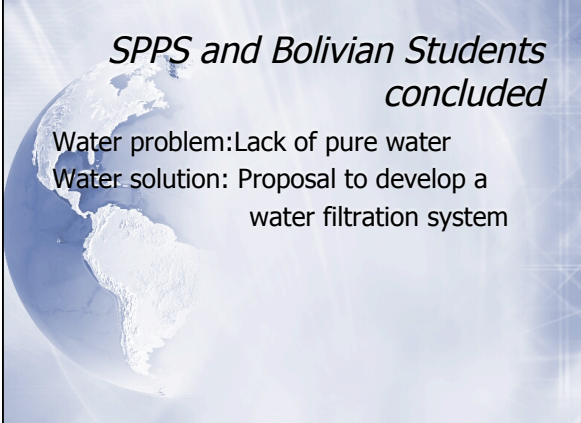## SPPS and Nicaraguan Students concluded during video conference

Water problem: contamination of lakes
Water solution: groups to clean lakes

SPPS students helping a community in San Pedro, Guatemala.

Water problem: Lack of pure water
Water solution: Fund raiser to install a
    water filtration system
Project done in conjunction with the
Grace Centre.

SPPS and Bolivian Students concluded

Water problem:Lack of pure water
Water solution: Proposal to develop a
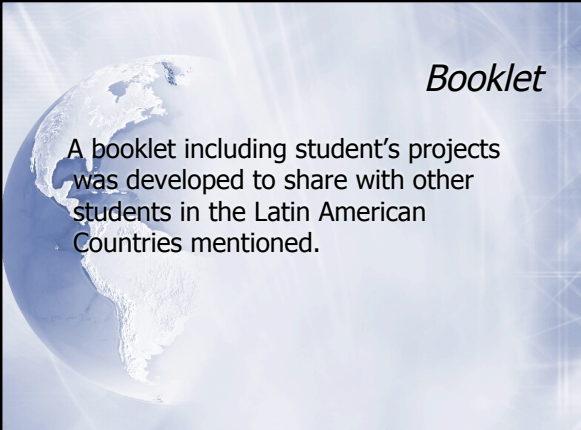   water filtration system

Engineers without borders

Presented their water project in Uganda:
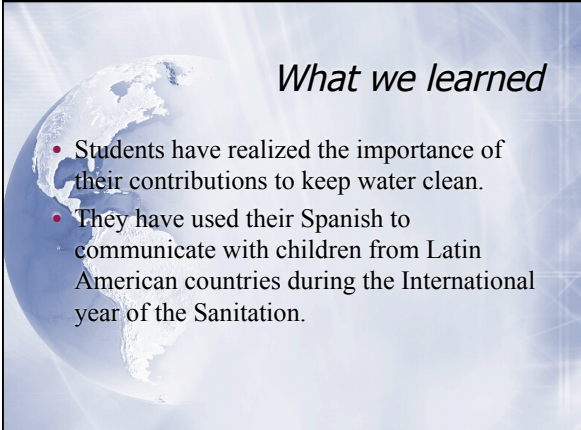Water wells and sanitation to schools in
Masaka, Uganda.

Brochure

A brochure was made in Spanish to
send to the students and communities
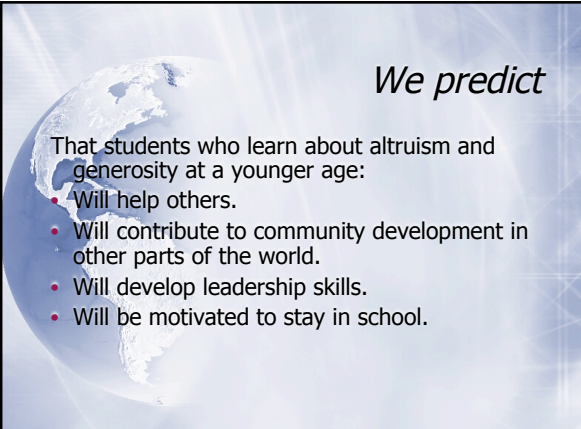in Nicaragua, Guatemala, Dominican
Republic, Bolivia, Mexico and Colombia.

Booklet

A booklet including student's projects was developed to share with other students in the Latin American Countries mentioned.
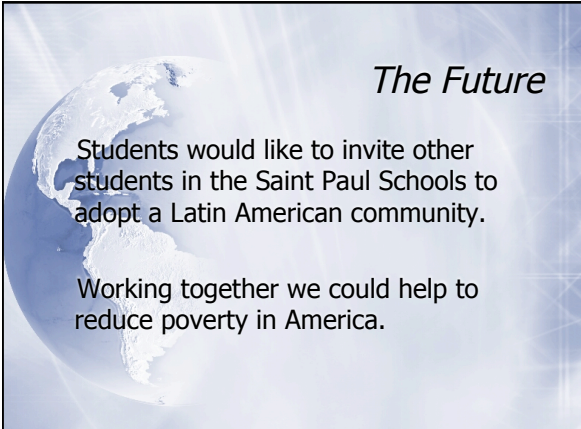
What we learned

- Students have realized the importance of their contributions to keep water clean.
- They have used their Spanish to communicate with children from Latin American countries during the International year of the Sanitation.

We predict

That students who learn about altruism and generosity at a younger age:
- Will help others.
- Will contribute to community development in other parts of the world.
- Will develop leadership skills.
- Will be motivated to stay in school.

The Future

Students would like to invite other students in the Saint Paul Schools to adopt a Latin American community.

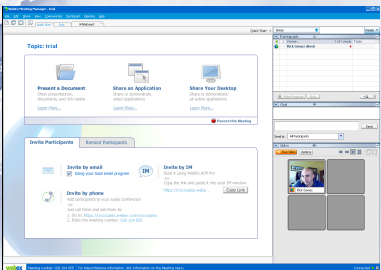Working together we could help to reduce poverty in America.

10

Education is

The best anti-poverty program

Web sites

- www.global_leap.com
- Mikeg@global-leap.com
- Ed1VIDCONF@a05jes.ameritech.com
- Listserv@a05jes.ameritech.com
- Info@takingitglobal.org
- Sales@videoconferencestore.com

Webex