

No Child Left Inside



Connecting Kids With Nature

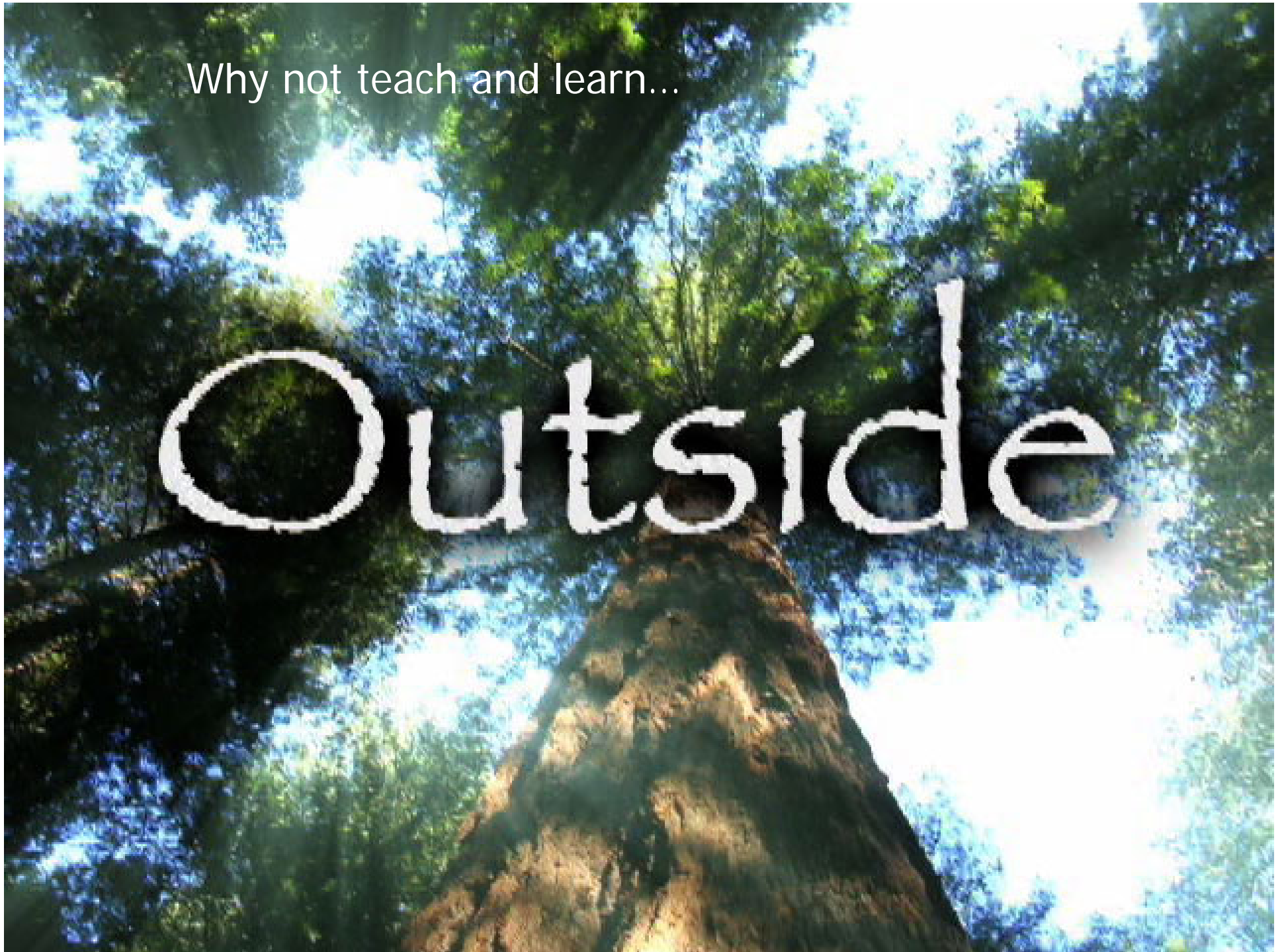
Mrs. Julia Johnson
EXCEL Program
Islip Public School

True or False?

- It feels good to be outside.
- It does not feel good to be stuck inside all day long
- It feels good to learn
- We want students to feel good and learn

Why not teach and learn...

Outside



What Stops Us?

curriculum

BUGS!

liability

commitment

not enough time



I don't know enough



Yes, You Can!

Deal **Integrate**

curriculum

BUGS!

Small steps

commitment

Be Proactive

liability



Work with what you have

not enough time

Find the expert!

I don't know enough



Third Grade Enrichment

Light & Color



Light and Color

Language Arts

Grade 3

Enrichment Unit

Social Studies

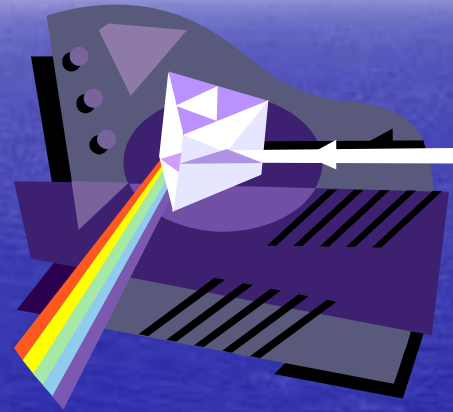
Art

Mathematics

Science

Light and Color

- Create an artistic expression of various forms of color and light that infiltrate daily life
- Experiment with prisms to discover that light is refracted into the colors of the spectrum
- Demonstrate how primary colors combine to create white light
- Determine whether a light source is direct, indirect, or reflected
- Review facts about the sun
- Identify various compound words with the prefix sun



Light and Color

- Compose a poem about their favorite color that exemplifies effectively writing for imagery and expression
- Evaluate information to formulate a bar graph
- Judge fact from fiction
- Explain and demonstrate why the sky is blue
- Conduct an experiment to demonstrate what makes sky colors change during sunset
- Explain how chemical energy can create light energy
- Edit paragraphs for errors in capital letters and punctuation
- Evaluate objects to determine whether they are opaque, translucent or transparent
- Decipher whether or not objects are symmetrical



Open Space Stewardship Program

In January of 2006, the Office of Educational Programs (OEP) at the U.S. Department of Energy's Brookhaven National Laboratory launched the Open Space Stewardship Program as part of its GREEN Institute. GREEN stands for "Gaining Research Experience in the Environment." The program fosters partnerships between schools and land stewards in their local communities. Students in grades K through 12 perform environmental research on undeveloped land owned either by a public or private agency.

(Retrieved from <http://www.greenosp.org/>)



This program is designed to:

- help students to learn about the scientific process through working with real-life data in the field
- benefit land stewards in the management of their property
- promote science literacy
- encourage students to consider careers in science and technology
- foster a sense of civic responsibility and respect for open space property.

Young Naturalist Awards

AMERICAN MUSEUM OF NATURAL HISTORY

A research based essay contest to promote participation and communication in science. Students will plan and conduct a scientific expedition that will provide questions, data, observations, and conclusions on a self-selected topic in the field of Biology, Earth Science, or astronomy.

Website:

www.amnh.org/nationalcenter/youngnaturalistawards/



Progress , Problem Solving and Leaf Packs at Pardees Pond...





- Curriculum writing:
20 hours
- Waders:
\$70.00
- Cost of YSI meter:
\$1440.00
- Pregnant teacher
attempting to help
student into waders:
entertaining

Evidence of student wearing
teacher's waders in pond:

☀️ priceless ☀️



Testing levels of dissolved oxygen to determine water quality...



Leaving the pond a bit cleaner than we found it...



The Point

- Any curriculum can be adapted to integrate the outdoors
- It takes the dedication of one person to make a difference
- It's worth it!



Thank You

