

Creating the Classrooms we need.

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Information
Deficit

shifted to

Information
surplus

The whole
reason for school
changed. **and**
yet. Classrooms
did not.

This is where it gets good...

Science Leadership Academy

Opened in 2006 in
partnership with the School
District of Philadelphia and
The Franklin Institute

Inquiry-Driven

Project-Based

1:1 Macbooks

How do we **learn**?

What can we **create**?

What does it mean to **lead**?

**Traditional
Classrooms:
Recall-Based**



Tests

Homework

Projects

Class Participation

**The Schools
SLA Classes:
Understanding-
Driven**



Projects

Homework

Class Participation

Tests & Quizzes

Inquiry
Research
Presentation
Reflection
Collaboration

Core Values



Caring Institutions



We Teach Kids, Not Subjects

Technology Must Be Like Oxygen



Ubiquitous, Necessary and Invisible

Inquiry-Driven

What are the questions we can ask together?

Abstract

In this project the topic will be Plants & Growth. The intended study is the effect of watering plants differently.

Hypothesis

I believe that "B" will show better growth because I think "Plant A" is likely to be drowned and "Plant C" will not receive enough water to grow.

Background

To conduct this experiment three pots will be used in which marigold seeds are to be planted. The research is conducted by watering "Plant A" everyday, "Plant B" once a day, and "Plant C" once a day with 1/4 of a cup of water.

A close-up photograph of a person with dark hair, wearing a white lab coat and blue nitrile gloves, working in a laboratory. The person is leaning over a piece of equipment, possibly a pipette or a small scale, and is holding a small, clear vial or container. The background is slightly blurred, showing other laboratory equipment and a clean, professional environment. The lighting is bright, highlighting the person's concentration and the precision of their work.

It's Not About Us.

Student-Centered

Teacher-Mentored



Community-Based

My name is Jacob and I'm in my Los Angeles office.



Collaborative



Relevant

Ishinomaki

April 4, 2010



March 12, 2011



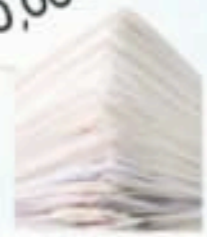


Integrated

EXXON Valdez Oil Spill Info-graph

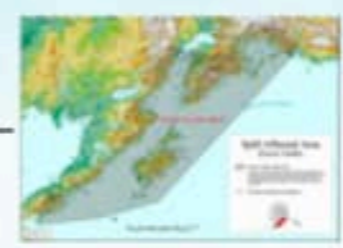


Recycling 26,315 gallons of paper saves 10,000,000 gallons of oil



10 Mil

11 Mil



In 1989 11,000,000 gallons of oil spilled into the Gulf of Mexico

It takes 8,000,000 gallons of oil to produce 571,428 plastic bags



8 Mil

9 Mil



In order for the U.S to consume 9,000,000 gallons of oil per day, we consume 1,333 gallons of oil per second

6,000,000 gallons of oil is required to make 3,000,000 tires



6 Mil

7 Mil



7,000,000 gallons of oil in order to the Queen Mary Cruise Ship to travel 33 miles

It takes 4,000,000 gallons of oil to heat 1071 homes



4 Mil

5 Mil



5,000,000 gallons of oil to produce 1,000,000 water bottles

2,000,000 gallons of oil to fill 3 Olympic Stadium Pools



2 Mil

3 Mil



3,000,000 gallons of oil to fill a total of 55...

1 Mil



Embrace Failure

Authentic

Assessment as Real and Transparent



Transparent

We Can Invite the World To Our Schools



There is no one right way.

There is no easy answer.

School is hard.

... but we stand poised on the edge of making schools
transformative spaces for students...

This is (also) where it gets **good**.