



Making the Move to Green Cleaning

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Healthy Schools Campaign

Illinois Association of School Business Officials

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ISSA

Overview



- Who We Are
- What is Green Cleaning
- Why Green Cleaning Is Important
- Implementing Green Cleaning
 - Illinois Green Cleaning for Schools Act
- Special Mention

Who We Are: Healthy Schools Campaign



HSC advocates for policies and programs that allow students, teachers and staff to learn and work in a healthy school environment.



Our Program Focus

- Environmental Health
- Wellness/Food and Fitness
- Building Strong Stakeholder Support



Who We Are: ISSA

- ISSA: Non-Profit Trade Association
- Institutional and Industrial Cleaning Industry
- Over 5,500 Members
 - Manufacturers
 - Distributors
 - Cleaning Service Providers
- Programs, Policies, Initiatives
 - Promote Green Cleaning



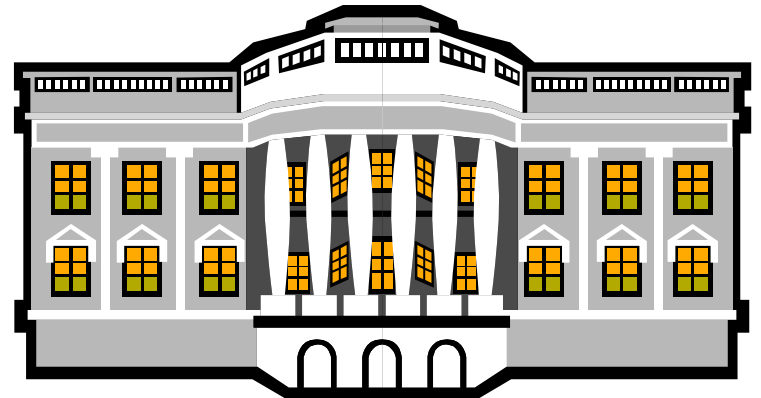
What is Green Cleaning?

- Cleaning to **Protect Health** without Harming the **Environment**



Executive Order 13101 – 1998

- Environmentally Preferable:
...products and services that reduce the health and environmental impacts compared to similar products and services used for the same purpose.



Children Are Not Little Adults

- Developing immunity systems
- Breathe, eat, and drink proportionally more than adults
- Behaviors cause greater exposures



Why is Green Cleaning Important?

ASTHMA

- Leading cause of student absenteeism due to a chronic disease
- 14 million school days are lost annually
- If kids are not in school, they can't learn



Why is Green Cleaning Important?

HELPS STUDENTS STAY HEALTHY AND LEARN

Healthy environments boost staff and student performance—teachers teach well and students learn well.



Why Is Green Cleaning Important?

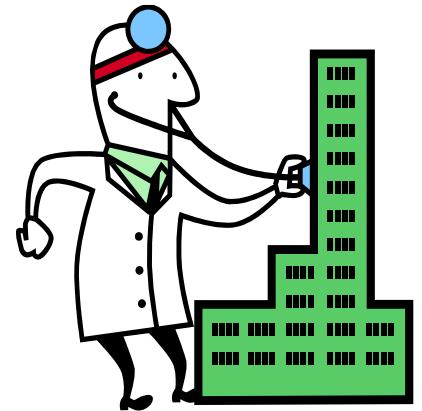
PROTECTS THE HEALTH OF CUSTODIAL STAFF

- Custodial staff using traditional cleaning products may be exposed to chemicals that can cause:
 - skin and eye irritation
 - respiratory problems
 - reproductive disorders especially for women in their child bearing years.
 - cancer

Why is Green Cleaning Important?

PRESERVES OUR PUBLIC INVESTMENTS

- Green cleaning is about proper maintenance
- Green cleaning procedures support longevity of school facilities, finishes, carpets
- Green cleaning is about using resources appropriately



Why is Green Cleaning Important?

PRESERVES THE ENVIRONMENT

- Production cycle is less harmful
 - Cleaning industry uses 6 billion pounds of chemicals annually
- Products and waste streams are not hazardous to water supplies
- Packaging reduces waste
 - 4.5 billion pounds of paper, 35 million trees



Why is Green Cleaning Important?

IT'S THE LAW

- All Public, Private K-12 Schools (50 or more students)
 - Establish green cleaning policy
 - Buy and use environmentally sensitive cleaning products
 - Consistent with guidelines and specifications for the Green Cleaning Schools Act
- Effective 5/9/08



Perceived Barriers to Green Cleaning

- Cost
- Efficacy
- Training



Perceived Barriers to Green Cleaning

- **Cost**

- Products available at competitive prices today
- Dispensing systems limit chemical waste and use
- Reduced number of chemical products
- New procedures and methods achieve material and labor savings
- Self-feeding paper towel and toilet paper dispensers reduce waste by switching to new roll after first roll completely used (no more partially used rolls)

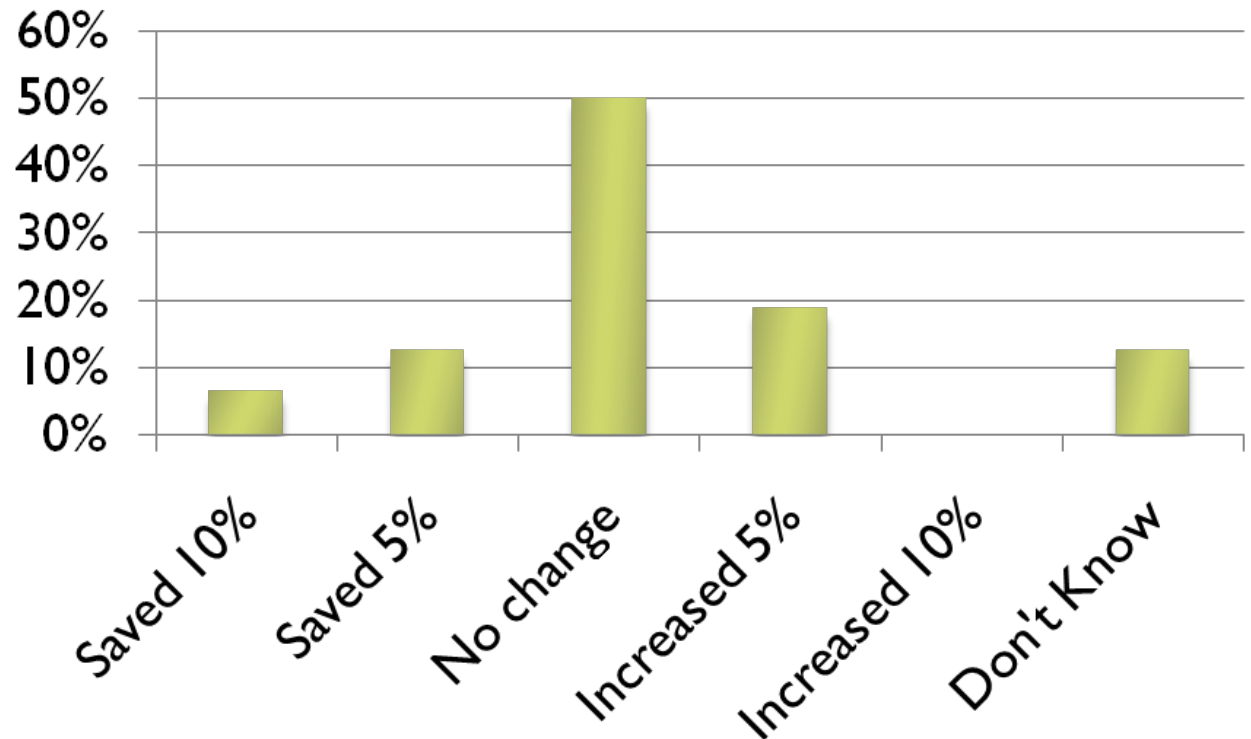


Perceived Barriers to Green Cleaning

- Cost



**2010 survey in IL, Green
Cleaning Programs Budget
Impacts**



Perceived Barriers to Green Cleaning

- **Training**
- Training is a Huge Issue
 - Not specific to green cleaning
- Training should be ongoing, like professional development
 - New products, procedures, hazards, operations
- Resources: Your Distributor
 - www.issa.com: Buyer's Guide



Perceived Barriers to Green Cleaning

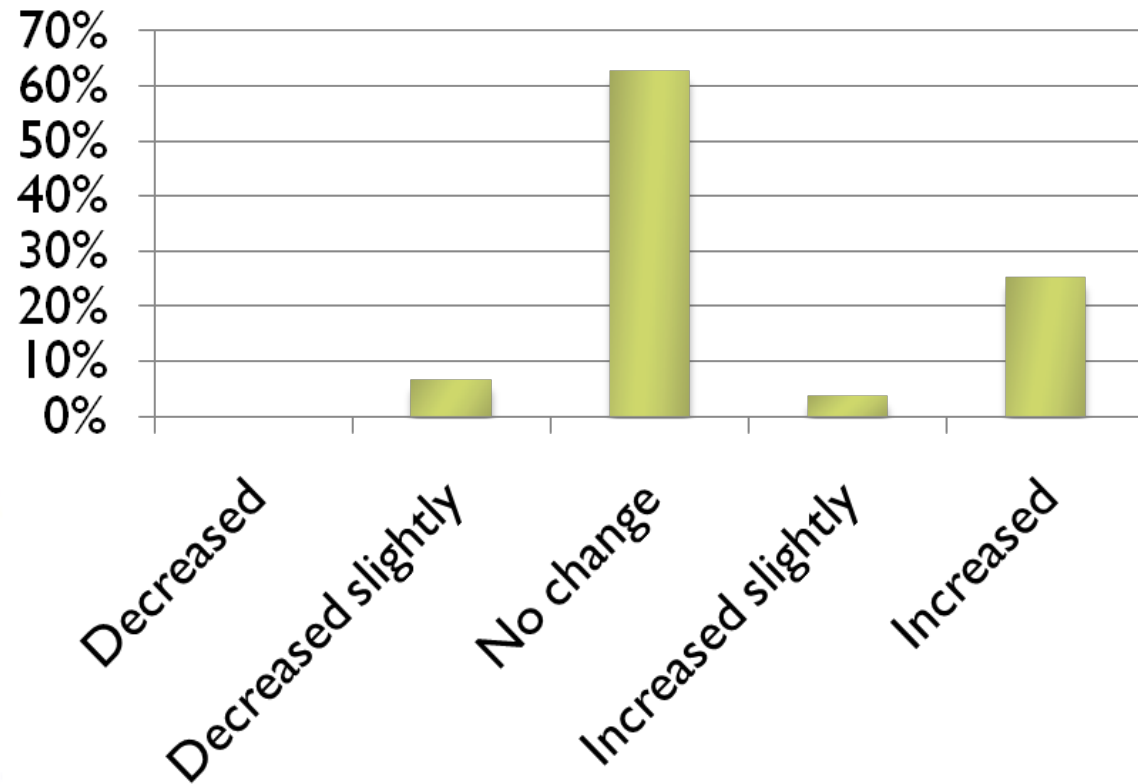
- **Efficacy**
- Today: Green Cleaning Products are Effective and Competitively Priced
- Innovation
- New Technologies
- New Formulations
- New Ingredients
- Perception: Fragrance and Dyes



Perceived Barriers to Green Cleaning

- **Efficacy**

2010 survey in IL, Green Cleaning Program Satisfaction



Implementing Green Cleaning Roadmaps

- Cleaning Industry Management Standard— Green Building (CIMS-GB)
 - www.issa.com/cims-gb
- USGBC: LEED-EBOM
 - www.issa.com/leedeb
- Quick and Easy Guide to Green Cleaning (HSC)
- Illinois Guidelines and Specifications
 - www.standingupforillinois.org/uploads/GreenCleanFinalGuidelines.pdf



Implementing Green Cleaning

- Getting Everybody on Board
 - Building the team
- Develop Your Green Cleaning Program
 - Baseline assessment
- Procure and Use Green Cleaning Products
- Introduce Green Equipment and Supplies
- Training
- Share the Responsibility



Implementing Green Cleaning Illinois Mandatory Provisions

- Deplete Existing Cleaning Products
- Procure and Use Green:
 1. Bathroom Cleaners
 2. Carpet Cleaners
 3. General Purpose & Hard Floor Surface Cleaners
 4. Glass, Window & Mirror Cleaners
 5. Hand Cleaners & Hand Soaps
 6. Paper Products (Paper Towels)



Chemical Cleaners Mandatory

- Bathroom Cleaners
- Carpet Cleaners
- General Purpose & Hard Floor Surface Cleaners
- Glass, Window & Mirror Cleaners
- Hand Cleaners & Hand Soaps



Paper Products Mandatory

- Paper Products (Paper Towels)
- Green Seal
- EcoLogo
- U.S. EPA CPG



Other Chemical Cleaners Recommendations

- Orphan Products
 - Graffiti removers
 - Furniture polishes
 - Degreasers
 - Metal polishes
- Web-Based Tool
 - ISSA/Ecoform
 - Summer 2011



Other Chemical Cleaners

Recommendations

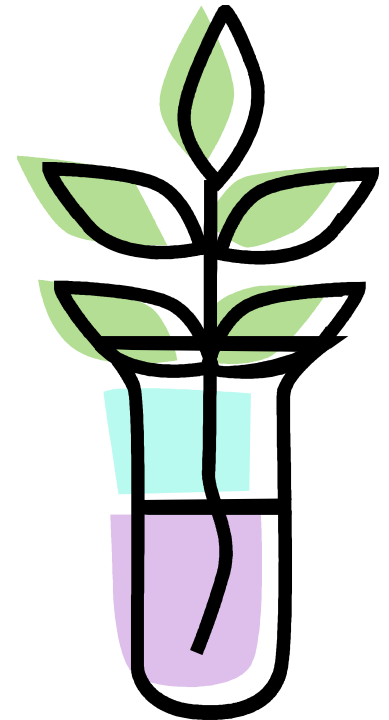
- U.S. EPA: Green Your Purchase of Cleaning Products
- Minimal Presence of Harmful chemicals:
 - Corrosive, Irritating Substances
 - Carcinogens, Reproductive Toxins
 - Hazardous Ingredients
 - Low VOCs
- Biodegradable
- Low Toxicity, Low Flammability
- Bio-Based
- Designed for Use in Cold Water



Other Chemical Cleaners

Recommendations

- U.S. EPA: Green Your Purchase of Cleaning Products
- Concentrated Products
- Packaging
 - Recyclable, recycled content, refillable
- Dilutions Systems
 - Reduce exposure to concentrates
 - Reduce chemical waste
 - Ensure proper dilution



Recommendations: Plastics

- Plastics: Trash Can Liners
- Minimize Resource Use and Waste
- Recycled Content
 - Minimum of 10% post-consumer content
 - U.S. EPA CPG
- Biobased Content
 - Corn polymers



Recommendations

- Vacuum Cleaners
- Carpet and Rug Institute Seal of Approval
 - Soil removal
 - Dust containment
 - Carpet fiber retention
 - www.carpet-rug.org
- Sound Level
 - Less than 75 dBA



Recommendations

- Carpet Extraction Equipment
- Carpet and Rug Institute Seal of Approval
 - Bronze Seal of Approval
- Soil Removal
- Water Removal
- www.carpet-rug.org



Recommendations

- **Powered Floor Maintenance Equipment**
 - Floor Burnishers and Buffers
- **Equipped with Vacuums, Guards**
 - Capture Fine Particulate Material
- **Sound Level: Less Than 90 dBA**



Recommendations

- Powered Scrubbing Machines
- Variable Speed Feed Pumps
- On Board Chemical Metering
- Optimize Use of Cleaning Fluids



Special Mention

- Recent Changes
- Dilution of Concentrated Products
- Disinfectants / Sanitizers
- Floor Care Programs
- Cleaning Industry Management Standard-Green Building (CIMS-GB)
- Quick and Easy Guide to Green Cleaning in Schools
- Green Cleaning Awards



Recent Changes

- State green cleaning standards are now included in the annual health and safety inspection checklist for Illinois schools

		In Compliance	N/A
32 (continued)			
	Green Cleaning Schools Act: 105 ILCS 140/1 et seq.		
K. 1.	When it is economically feasible, elementary and secondary public schools in the district that have 50 or more students have established a green cleaning policy and exclusively purchase and use environmentally-sensitive cleaning products.	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/>
2.	If adopting a green cleaning policy is not economically feasible for the schools of the district, the schools must provide written notification to the Illinois Green Government Coordinating Council (IGGCC) on a form provided by the IGGCC. This form must be completed annually until such time as it is economically feasible.	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/>

Dilution of Concentrated Products

- Dispensing Systems
 - Reduce employee exposure
 - Guarantee proper dilution, reduce waste
- Use Appropriate Protective Equipment
- Follow Manufacturer's Dilution Directions
 - Do not over or under dilute



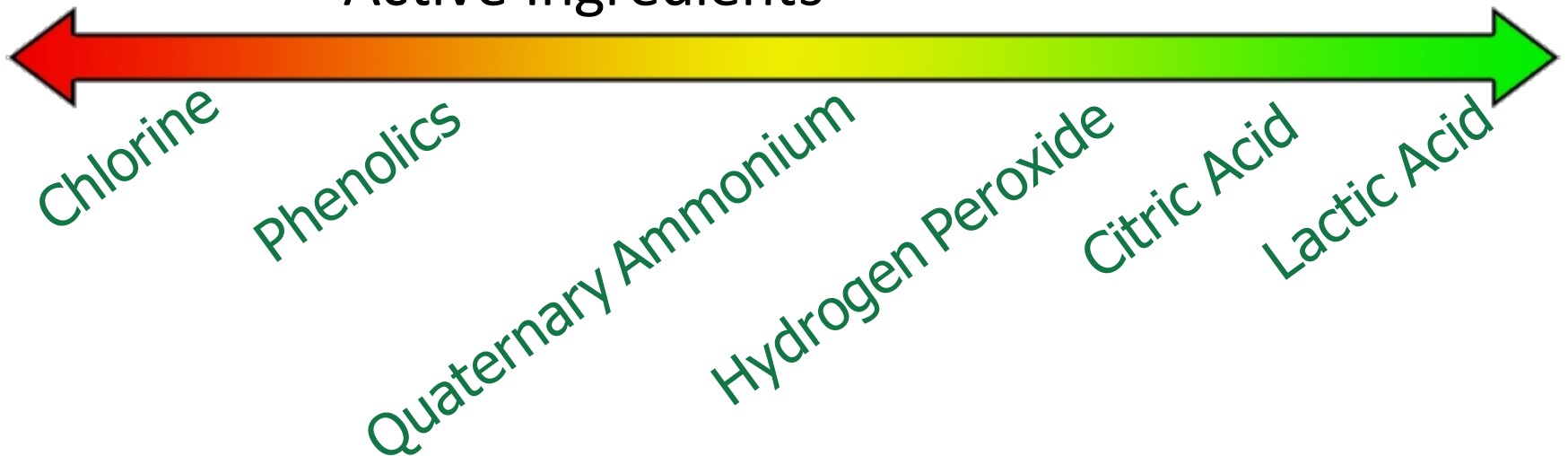
Disinfectants / Sanitizers

- Select Appropriate Product
- Use Judiciously: When and Where Necessary
- High Touch Points
 - Doorknobs, light and elevator switches, bathroom fixtures, shared telephones
- EPA Registered
- Follow Label Directions
 - Clean first -- Dwell time



Disinfectants / Sanitizers

- Selecting “green” disinfectants
 - Moderate pH (close to 7)
 - Concentrated
 - Low or no-VOCs
 - DfE Recognition
 - Select Least Toxic for the Task
- Active Ingredients



Floor Care

- Floor Finishes
 - Durability
 - Green Seal, EcoLogo, DfE
 - Avoid heavy metals
- Floor Strippers
 - GS, EcoLogo, DfE
 - Closer to Neutral pH (Closer to pH of 7)
 - Low VOCs
 - Biobased / Renewable Resources
- Regular Maintenance



Cleaning Industry Management Standard—Green Building (CIMS-GB)

- Management framework designed to ensure delivery of high performance cleaning service
- Based on universally-accepted management principles that are the hallmarks of success
- Applies to an organization as a whole
- Upgraded: Green Building



The Cleaning Industry Management Standard

Universally-Accepted Management Principles



CIMS-GB

- Set of environmental preferability criteria
- Largely based on green cleaning requirements of USGBC LEED-EBOM
- Framework for development of green and sustainable cleaning program



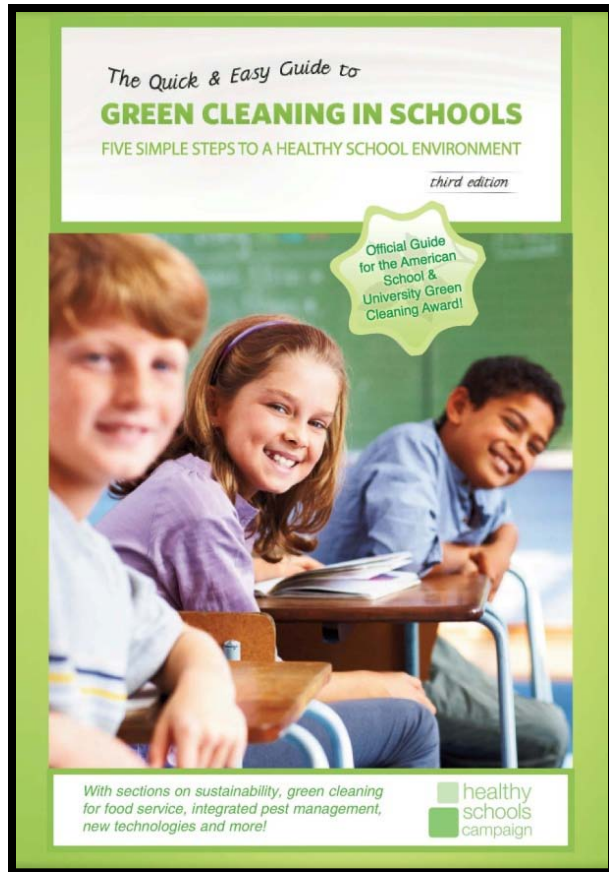
CIMS-GB Certification

- Optional designation
- Third-party, accredited assessor
- Comprehensive Assessment
 - Document review
 - Management, personnel, customer interviews

➤ www.issa.com/cims-gb



The Quick and Easy Guide to Green Cleaning in Schools



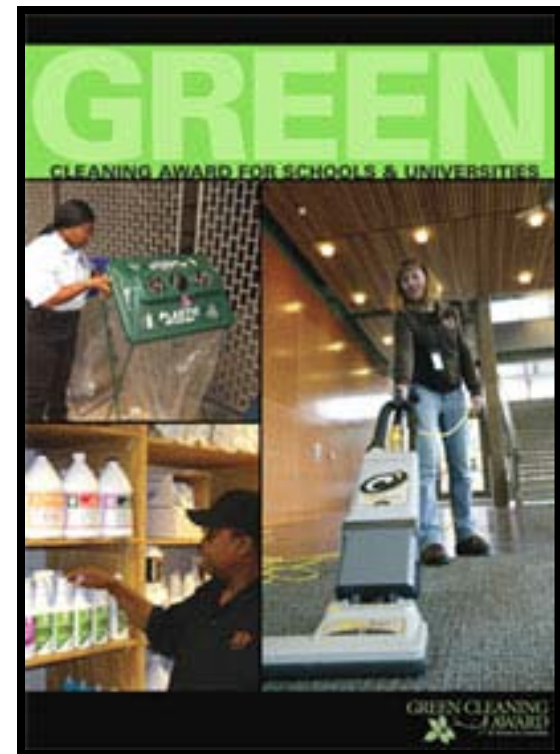
- *Written by Stephen Ashkin*
- *Guide Structure:*
 - Why Green Cleaning
 - Five Easy Steps
 - Institutionalize Your Program
- *Distribute 90,000 + copies*
- *45 sponsors, 23 participating organizations*

Green Cleaning Awards



Why Apply?

- Share your body of knowledge
- Allow others to learn from your experiences
- Do a check-up for your cleaning program
- Increase recognition for your work from your...
 - School board
 - School client
 - Administrators
 - Students & Teachers



Thank You!

Discussion

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