

What is a green school?

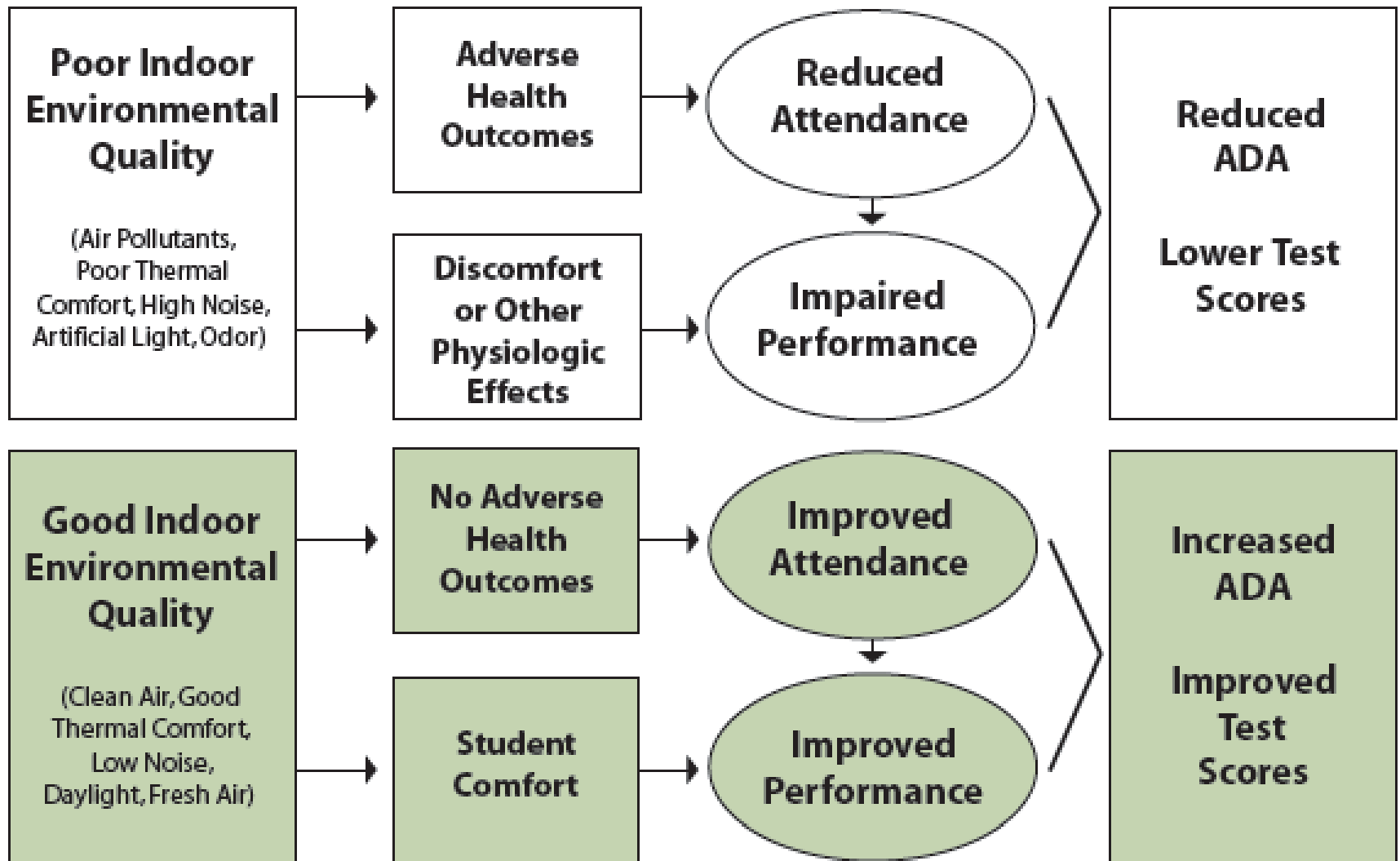
- LEED certified green building with design for IAQ
- Additional steps are needed to improve health and student performance
 - Manage and control IAQ using Tools for Schools
 - Control temperature/humidity to minimize mold growth
 - Control noise
 - Maintain cleanliness to reduce indoor allergens



Special susceptibilities

- Young children with developing immune systems
- Asthmatics and asthma triggers in school
- Students/faculty with allergies
 - Cat dander, dusts, odor masking chemicals, fragrances
- Older faculty and staff with declining immune and respiratory systems

Consequences of IAQ on health



Evidence and action

- EPA: improvements in performance and health
 - http://www.epa.gov/iaq/schools/student_performance/evidence.html
 - “Our district implemented an IAQ management plan that led to unprecedented academic success for our students. Since 2005, we have seen an increase of 17.3 percent on test scores and an increase in the average daily attendance rate to 97 percent, allowing students to have more classroom time.” Frank DiNella, Keller Independent School District, Texas
- NAS: Improvement in student performance and health
 - http://www.nap.edu/openbook.php?record_id=11756&page=1
- Keller ISD – Dianne Rhodes IAQ and asthma control
 - http://neisd.net/env_health/
- US Dept of Education: A Summary of Scientific Findings on Adverse Effects of Indoor Environments on Students' Health, Academic Performance and Attendance, 2004.
 - <http://www.iehinc.com/PDF/effects%20on%20students.pdf>