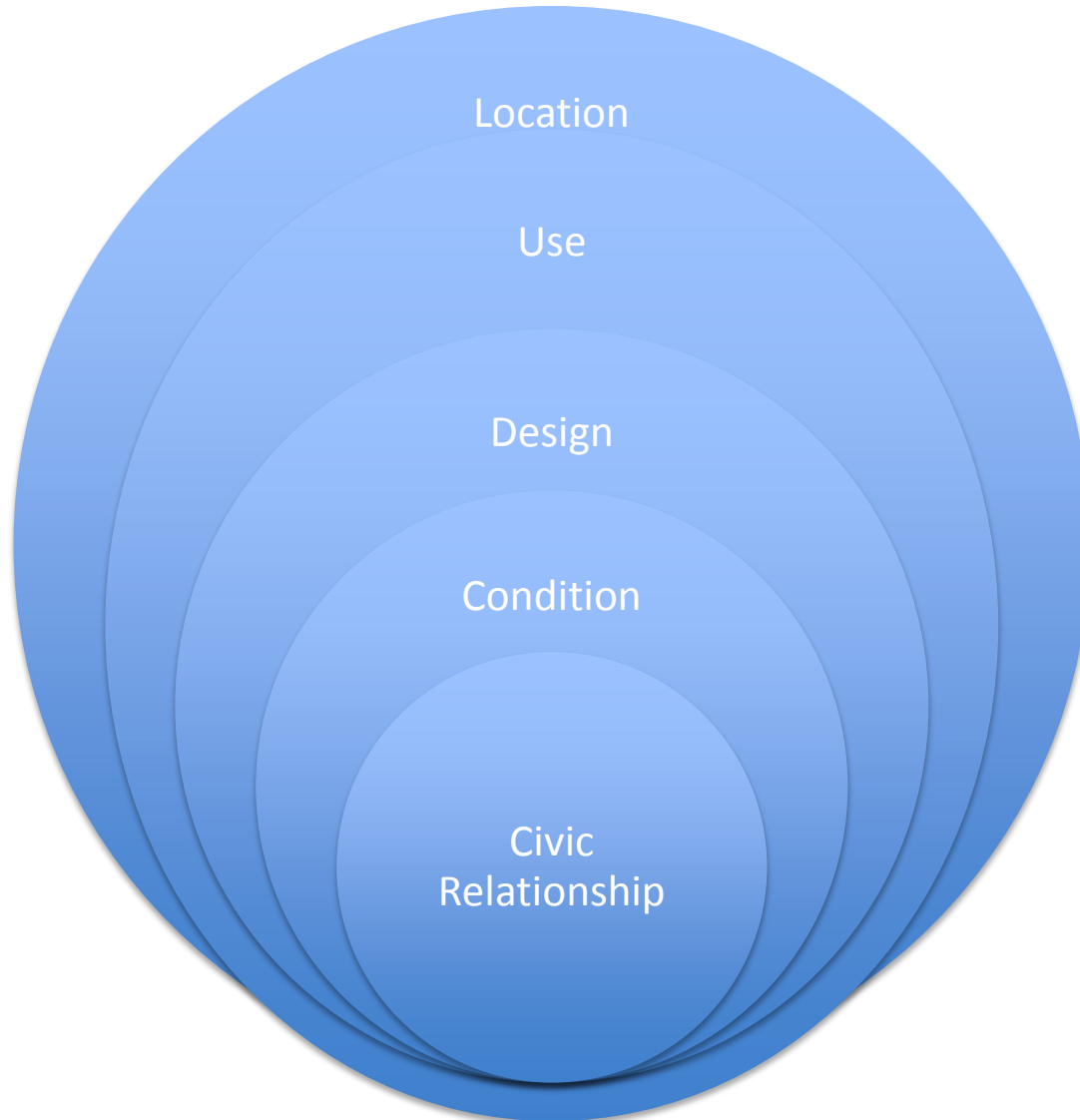


Facilities Matter

Presentation Objectives

- Have a framework for understanding the key characteristics of facilities
- Be able to identify the mechanisms that through which the facility affects education, the environment, health, and community
- Be familiar with an interesting new study on the effect of school construction investment on test scores, school environment, and home prices

What Matters about Facilities?



Why should anyone care?

- School facilities impact:
 - Education quality
 - Environmental sustainability
 - Neighborhood vitality
 - Occupant health

Education quality

- **People** are the students, their families, teachers, principals, support staff, central administrators, school board members, state officials, federal officials;
- **Programs**—curriculum, professional development, counseling, technology, testing and accountability systems; and
- **Place**—the location within communities and districts, the characteristics of the building and the grounds.

How do Facilities Impact Education Quality?

- Motivation for Work
 - Attendance
 - Teacher retention
 - Effort -focus on tasks
 - Creativity
- Opportunity for Program
 - No science labs, no laboratory science
 - No technology, worlds of information and individualized learning unavailable
 - No full service kitchens, only packaged food
 - Poor outdoor areas, no hands on environmental science, deprived of connection to natural beauty
- Time on Task
 - Lining up for bathroom time or to get a drink of water,
 - Poor adjacencies
 - Crowding
 - Inadequate administrative work areas and technology
- Physical processes
 - Breathing...Fresh air
 - Temperature Regulation...Thermal Comfort
 - Hearing...Acoustics
 - Movement--Exercise
 - Seeing...Daylight

What the research says

- Set of research that looks at condition indicators and student output indicators
- New Nov 2011 research study that I think will be of interest:
 - Housing prices
 - Enrollment
 - Reading scores and to a lesser extent math

Findings of New Haven Study