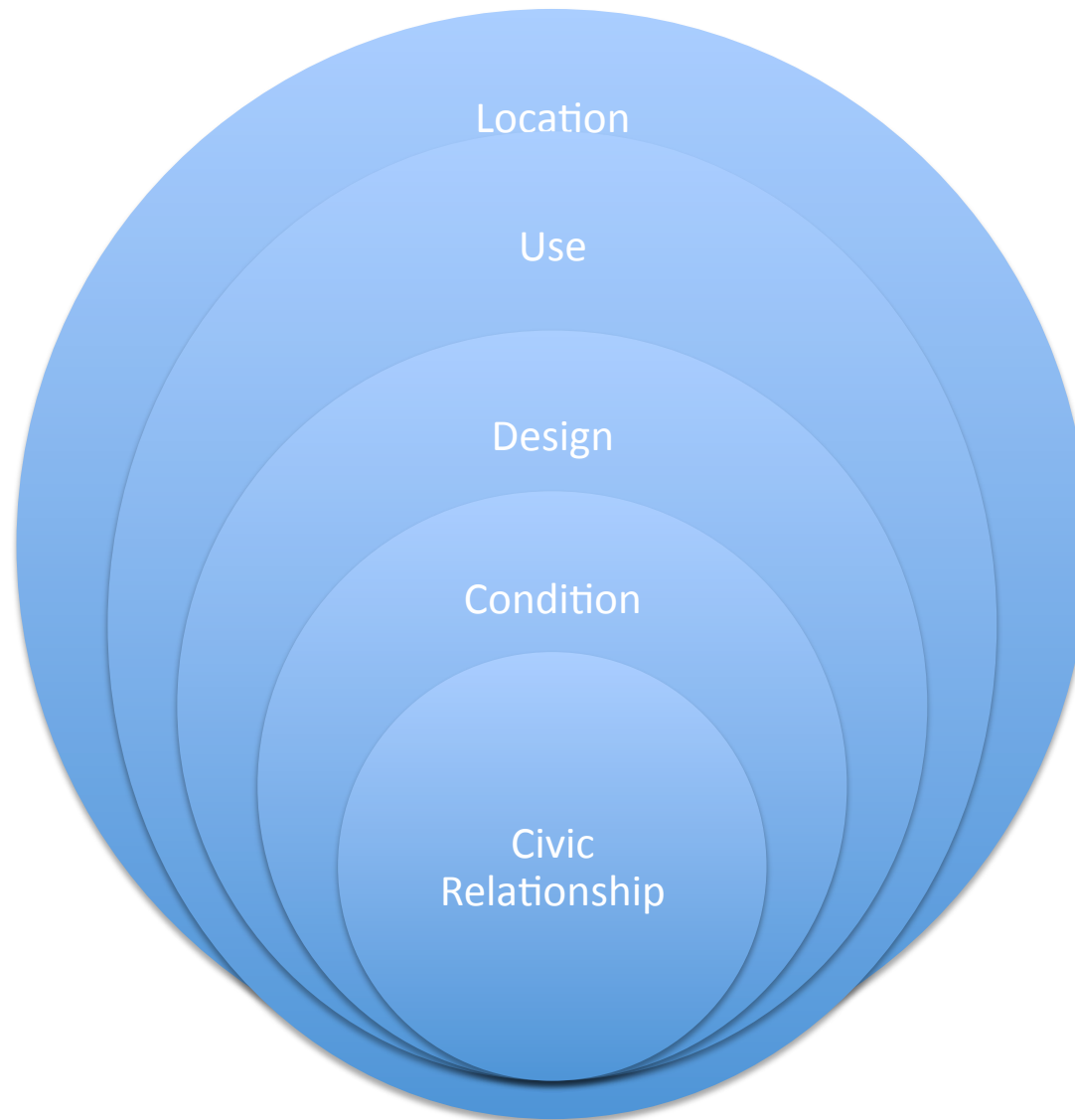


# Facilities Matter

# 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