

Career Technology Programs and Nontraditional Facilities Presentation and Ideas for Further Discussion

Woodward High School Reopening and
Nontraditional Study Group

May 11, 2017



MONTGOMERY COUNTY PUBLIC SCHOOLS

Agenda

- Feedback on Meeting #4
- Community feedback presentations by ASAAG, LSAAG, NAACP, Whitman Cluster representatives
- Presentation on ideas for CTE programs in nontraditional facilities
- Small group discussion
- Questions from observers



Feedback on Meeting #4

Session most helpful with:

- Learning about CTE and MCPS interest in CTE
- Hearing cluster representative feedback

Session least helpful with:

- Understanding school-by-school CTE situations
- Providing sufficient discussion time



Career Technology Education (CTE) Ideas



Key Concepts*

- **Academic Studies** — Teach more students the essential concepts of the college-preparatory curriculum by encouraging them to apply academic content and skills to real-world problems and projects.
- **CTE Studies** — Provide more students access to intellectually challenging career/technical studies in high-demand fields that emphasize the higher-level mathematics, science, literacy and problem-solving skills needed in the workplace and in further education.
- **Curriculum Integration**—integration of rigorous and challenging academic and CTE in POS/career pathways

* [High Schools That Work](#) Key Concepts and Curriculum Integration



Increase CTE Awareness

- Offer a career exploration class
- Allow students to dabble in CTE without committing to a track
- Provide a completer program that offers a wide range of CTE offerings
- Offer career counseling that is tied to college preparation *and* CTE programs



Increase CTE Participation

- Improve marketing of current programs, including Thomas Edison High School of Technology
- Market CTE as compatible with college preparation
- Address the stigma attached to CTE



Provide Middle School Awareness

- Expand middle school CTE camps to provide students with CTE exposure
- Align middle school electives with CTE preparation skills and programs



Internship Opportunities

- Provide shadowing opportunities
- Connect Child Development course with employment opportunities, including with after-school programs
- Explore business partnerships with key business leaders such as NIH and hospitality businesses
- Consider a multi-industry approach focused on one partner, such as Marriott Headquarters, to include:
 - Culinary
 - Interior design
 - Business management and finance
 - Hospitality management



Career Technology Education (CTE) Comprehensive High School Example

North Point High School
Charles County, MD



North Point High School— Charles County, MD



- 4 Year CTE/Comprehensive HS
- 50% of students live in the North Point HS service area and take traditional HS curriculum
- 50% of students apply to CTE programs from the entire county
- Students earn a HS diploma
- Students also may earn college credits and industry certification

North Point High School— Charles County, MD



Application process for CTE programs includes the following:

- Students apply in Grade 8
- 3 teacher recommendations
- Writing session
- Interview process
- Interest in programs based on writings and interviews

North Point High School— Charles County, MD

- Academy of Health Professions
- Automotive Technology
- Biotechnology
- CISCO Networking
- Construction Design & Management
- Cosmetology
- Criminal Justice
- Culinary Arts
- Cyber Security
- Drafting
- Education Careers
- Electrical Construction
- Engineering
- Graphic Communications
- Manufacturing Engineering Technologies
- Welding Technology



North Point High School— Charles County, MD

- School of Construction
- Automotive Technology



North Point High School— Charles County, MD

- Cosmetology



- CISCO Network Academy



North Point High School— Charles County, MD

- Gymnasium



- Music Room



Nontraditional Facilities



Reuse of a Commercial Office Property Example

BASIS Independent School

McLean, VA



BASIS Independent School— McLean, VA



BASIS Independent School— McLean, VA

- Conversion of a former commercial office building
- 3-story designed in 1980s originally housed defense contractor BDM
- Connote professionalism and rigor through the building architecture
- Former open office areas were converted into classrooms, corridors, and support spaces
- Atrium used as an informal gathering space/multipurpose space and for circulation
- Existing tinted windows supported lighting requirements
- Concrete joist structure was exposed



BASIS Independent School— McLean, VA

Before Renovation



After Renovation



BASIS Independent School— McLean, VA

Before Renovation



After Renovation

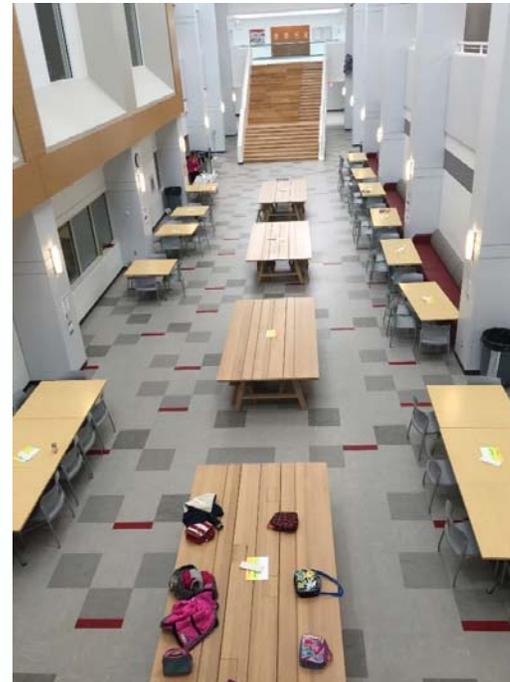


BASIS Independent School— McLean, VA

Before Renovation



After Renovation



BASIS Independent School— McLean, VA

Before Renovation



After Renovation



Photo: Sarah Mechling for Perkins Eastman

BASIS Independent School— McLean, VA



Photos by: Sarah Mechling for Perkins Eastman



BASIS Independent School— McLean, VA



Photos by: Sarah Mechling for Perkins Eastman

Conversion of a Warehouse Example

Baltimore Design School
BCPS, Baltimore, MD



Baltimore Design School— Baltimore, MD



Baltimore Design School— Baltimore, MD

- Public middle and high school dedicated to architecture, graphic design, and fashion
- Unique public/private partnership involving a private developer, the BDS School Board, and Baltimore City Public Schools
- Funded through a combination of bonds, tax credits, and loans; at the end of a 20-year lease the school system will take over the facility
- Originally a machine shop for bottle caps before housing a clothing manufacturer
- Design is interspersed throughout the curriculum and the building

Baltimore Design School— Baltimore, MD

Before Renovation



Photo by Ziger Snead

After Renovation

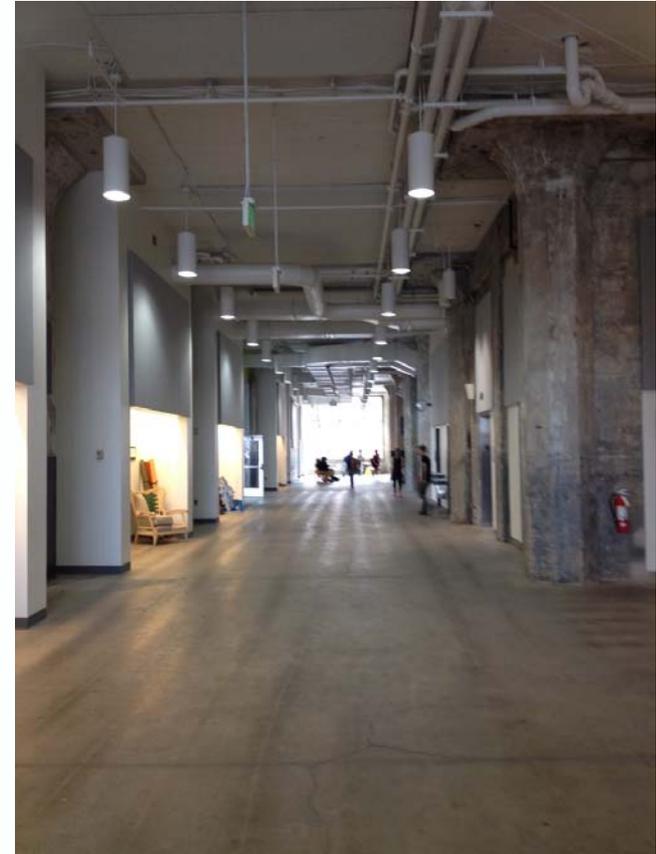


Photo by © Karl Connolly Photography

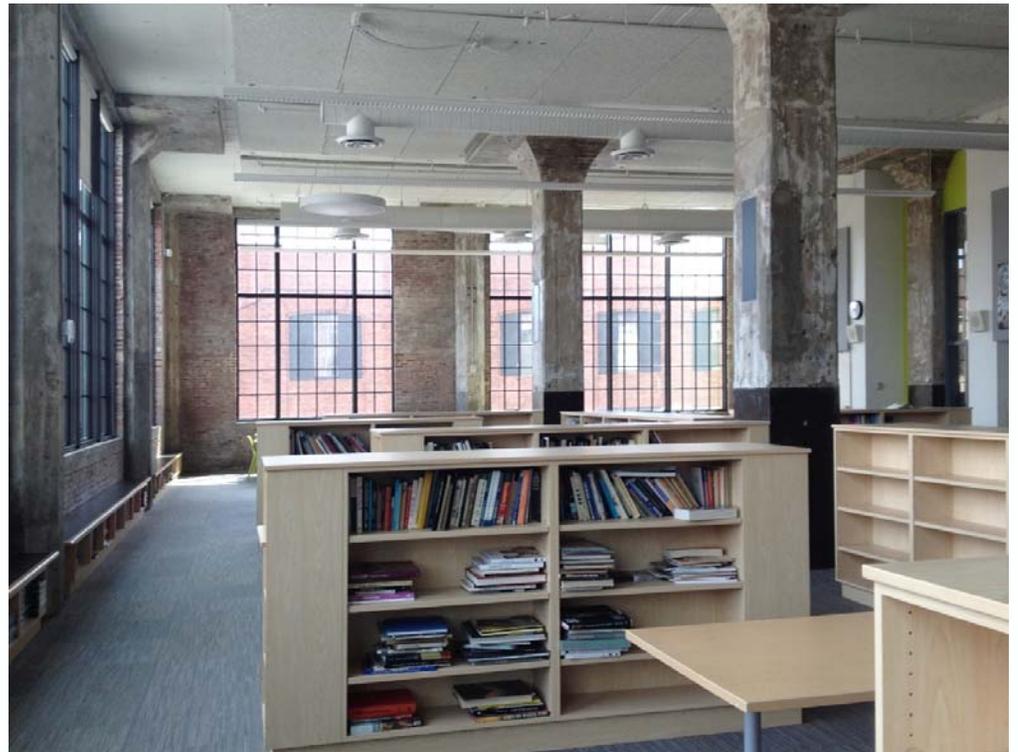
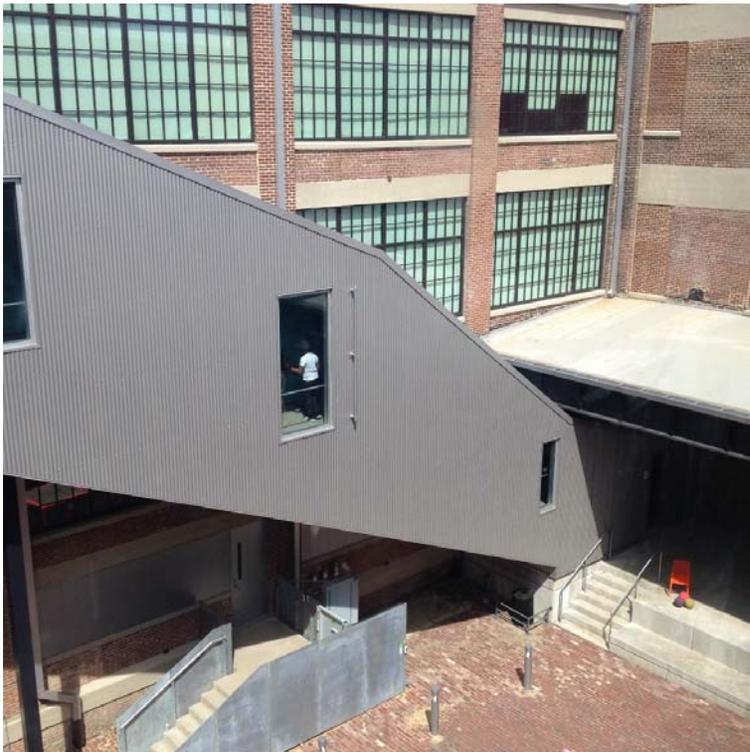
Baltimore Design School— Baltimore, MD



Photo by © Karl Connolly Photography



Baltimore Design School— Baltimore, MD



Conversion of Other Commercial Spaces

Beyond Maryland



Shopping Mall Conversion #1

Pomona, CA

- Public schools reuse run-down Plaza Azteca Mall
- Now home to 1,800 ES students (3 schools)
- And 400 HS students (magnet)
- As well as admin offices and community services
- Site of 66 acres bought for \$5.5 million
- Total cost of project = approx. \$50 million



Village at Indian Hill (Mall)



Interior of Village at Indian Hill



Shopping Mall Conversion #2

Phoenix, AZ

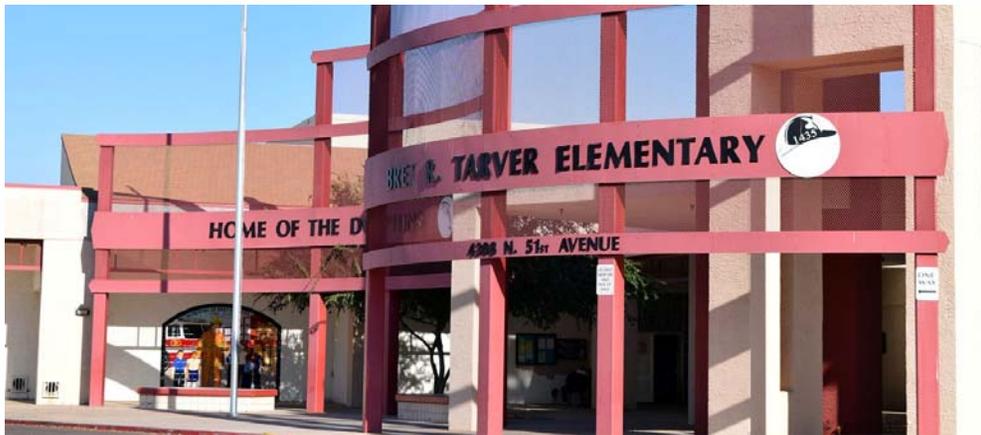
- Public school district reuses Maryvale Mall
- Now home to 600 ES students, 1,000 MS students
- And holding school/transitional space
- As well as district warehouse (old bowling alley)
- Old movie theater is now a performing arts center
- Mall and 25 acre site purchased for \$9 million



Tarver ES and Atkinson MS



New Facades for Tarver, Atkinson



Office/Research Facility Conversion

Wake County, NC

- Public MS reuses former American Sterilizer Co.
- Vacant 150,000 s.f., 23 acre facility for \$7.5 million
- Total project cost of \$20.5 million
- Similar cost to new building + site acquisition
- Shorter construction timeline (9 months vs 2.5 yrs)



Lufkin Road Middle School



Backside and Grounds of MS

