Ohio: A State-Sponsored School Building Transformation Story

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Introduction

• Ohio Results
  – $12 Billion State Funding
  – 323 LEED Certified Schools
  – 1,193 New or Renovated Schools
  – Over 630,000 students served
Ohio Results

Ohio Department of Education
Each Child, Our Future
In Ohio, each child is challenged, prepared and empowered.

Vision
In Ohio, each child is challenged to discover and learn, prepared to pursue a fulfilling post-high school path and empowered to become a resilient, lifelong learner who contributes to society.

One Goal
Ohio will increase annually the percentage of its high school graduates who, one year after graduation, are: Enrolled and making progress in a post-high school career or technical training, earning a post-high school certificate or degree; or are serving in the armed forces; or are enrolled in a post-secondary institution; or are engaged in a meaningful, self-supporting endeavor.

Three Core Principles
Equity
Partnerships
Quality Schools

10 Priority Strategies
Highly effective teachers & leaders
Principal support
Teacher & Instructional support
Standards reflect all learning domains
Assessments gauge all learning domains
Accountability system focuses on learning outcomes
Meet needs of whole child
Improve equity of early learning
Develop literacy skills
Transformational high education provides more paths to graduation

Ohio’s Strategic Plan for Education: 2019-2024
Health Safety + Welfare

STORY #1: NEW ALBANY 3-4-5 SCHOOL

- 1200 students
- Initially grades 1-8
- Now 3-4-5
- Only SLC building in the district

- Empowers self-directed student learning
- Creates community at multiple levels
- Supports choice + innovation, not compliance

Moody Nolan Architects
Health Safety + Welfare

STORY #1: NEW ALBANY 3-4-5 SCHOOL

Moody Nolan Architects
Health Safety + Welfare
STORY #1: NEW ALBANY 3-4-5 SCHOOL

• What former teachers say:
  – We were part of a community before
  – We knew intuitively what other teachers were doing
  – We easily knew where to turn for help
  – We knew (other teachers’) kids and their siblings and friends
  – Not any more
  – We feel isolated

• What former students say:
  – I only know my class
  – So my class becomes very important
  – I used to know lots more

Interviews conducted w/ Ohio Dept Education
Health Safety + Welfare

STORY #1: NEW ALBANY 3-4-5 SCHOOL
• HS+W lasting lessons:
  – __________________
  – __________________
  – __________________

STORY #2: NORTH RIDGEVILLE 3-8 ACADEMIC CENTER

ThenDesign Architecture
Health Safety + Welfare

STORY #2: NORTH RIDGEVILLE 3-8 ACADEMIC CENTER

- 2200 students
- Grades 3-4-5 + 6-7-8
- 18 Small Learning Communities
- 1 bus drop off/pickup
- 2 parent drop/off pickups

ThenDesign Architecture
**Health Safety + Welfare**

**STORY #2: NORTH RIDGEVILLE 3-8 ACADEMIC CENTER**

NORTH RIDGEVILLE ACADEMIC CENTER

3-4 WING: FIRST FLOOR PLAN

ThenDesign Architecture

**Health Safety + Welfare**

**STORY #2: NORTH RIDGEVILLE 3-8 ACADEMIC CENTER**

NORTH RIDGEVILLE ACADEMIC CENTER

5-8 WING: FIRST FLOOR PLAN

ThenDesign Architecture
Health Safety + Welfare

STORY #2: NORTH RIDGEVILLE 3-8 ACADEMIC CENTER

3-4 SMALL LEARNING COMMUNITY

ThenDesign Architecture
STORY #2: NORTH RIDGEVILLE 3-8 ACADEMIC CENTER

Health Safety + Welfare

5-8 SMALL LEARNING COMMUNITY

ThenDesign Architecture
Health Safety + Welfare

STORY #2: NORTH RIDGEVILLE 3-8 ACADEMIC CENTER

• HS+W results:
  The 2014 Educational Visioning led to educational practice changes and concepts for the new building

After one year of building occupancy, the district reports:
  • Performance up one letter full letter grade
  • 4% increase in performance index over prior year, performance index measures the percentage of students scoring at each performance level on each state assessment
  • Gifted students increased their letter grade in progress from a C to an A meaning they grew at more than twice the expected rate of growth

• Lowest 20% in achievement increased letter grade from a D to a C meaning they went from below what the state expected for growth to what the state expected for growth
  • Gap Closing school received its highest score ever going from an F to a B Gap closing measures how various sub groups are closing the gap on students overall
Health Safety + Welfare

STORY #2: NORTH RIDGEVILLE 3-8 ACADEMIC CENTER

- HS+W results:
  - Students are in class more as office referrals for discipline are down approximately 60%
  - Score increases possibly attributed to additional time for instruction and intervention as students have nearly 20 minutes more instructional time per day due to fewer or no class changes
  - Teachers are able to self-schedule their students and flex their time with students as there is no longer a bell schedule

Health Safety + Welfare

STORY #2: NORTH RIDGEVILLE 3-8 ACADEMIC CENTER

- HS+W lasting lessons:
  - ____________________
  - ____________________
  - ____________________
  - ____________________
  - ____________________
  - ____________________
  - ____________________
  - ____________________
### Visioning + Beyond

**CONSOLIDATION/CO-LOCATION: FEWER + LARGER**

**Your challenge:** Identify ideal separations and separations among these program areas:

<table>
<thead>
<tr>
<th>PROGRAM AREA</th>
<th>SEPARATE</th>
<th>SHARED USE</th>
<th>TIME SHARED</th>
<th>SEPARATE</th>
<th>WHY?</th>
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<tbody>
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<td>Entrance</td>
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<td>Classrooms</td>
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<td>Science Labs</td>
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<td>Cafeteria</td>
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<td>Tech/STEAM Labs/ Maker Spaces</td>
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<td>P.E. Tracks Rooms</td>
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<td>Athletics/Track Rooms</td>
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<td>Media Center/Planning Center</td>
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<td>Auditorium (flany)</td>
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<td>Canteen</td>
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<td>Food Court/Cafeteria</td>
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Discuss in your small group Table Teams. Use this worksheet. Report out.

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**Elementary**

- Beaver Local
- PK-12
- Fanning/Howey + Olsavsky/Jaminet
Visioning + Beyond

CONSOLIDATION/CO-LOCATION: FEWER + LARGER

West Muskingum Local
PK-4
Fanning/Howey

MAIN FLOOR

PARKING + BUS DROP OFF
MAIN ENTRY

LOWER FLOOR

PARENT DROP OFF/PICK UP

Visioning + Beyond

SMALL LEARNING COMMUNITIES

Winton Woods K-6
Cincinnati, OH
SHP Leading Design Architects

Winton Woods 6-12
Cincinnati, OH
SHP Leading Design Architects
Visioning + Beyond

SMALL LEARNING COMMUNITIES

Middletown High School
Renovations and Additions

Departmental Learning Communities
Academy (Pull/Cluster/Inclusion Learning Community) with Fox Studios

Middletown HS
Fanning/Howey

SMALL LEARNING COMMUNITIES

Middletown HS
Departmental SLC
Fanning/Howey
Visioning + Beyond

SMALL LEARNING COMMUNITIES

Middletown HS Interdisciplinary SLC
Fanning/Howey

Middletown MS Grades 7-8
Middletown City Schools
Fanning/Howey
Visioning + Beyond

SMALL LEARNING COMMUNITIES

Campus International K-8 School
Cleveland Metro School District
ThenDesign Architecture + Perkins/Will

Visioning + Beyond

SMALL LEARNING COMMUNITIES

Campus International K-8 School
Cleveland Metro School District
ThenDesign Architecture + Perkins/Will
Visioning + Beyond

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SMALL LEARNING COMMUNITIES

Campus International K-8 School
Cleveland Metro School District
ThenDesign Architecture + Perkins/Will

MULTIPLE MODALITIES

Clark Hall (High School)
Gahanna-Jefferson Local Schools
OHM Advisors Architects

Urbana High School
Urbana City Schools
Fanning/Howey
MULTIPLE MODALITIES

Lake Local ES
Sol Harris Day

Visioning + Beyond

MULTIPLE MODALITIES

Ecole Kenwood Elementary
Columbus, OH
Fanning/Howey
Visioning + Beyond

STUDENT CONTROLLED LEARNING

West Liberty-Salem High School
West-Liberty-Salem Local Schools
OHM Advisors Architects

Visioning + Beyond

TEACHER PLANNING CENTERS

West Muskingum Elementary
West Muskingum Local Schools
Fanning/Howey

Urbana High School
Urbana City Schools
Fanning/Howey

Urbana PK-8 School
Urbana City Schools
Fanning/Howey
**Visioning + Beyond**

**FLEXIBLE CLASSROOMS**

Urbana High School
Urbana City Schools
Fanning/Howey

PK-12 School
Beaver Local Schools
Lisbon, OH
Fanning/Howey + Olsavsky/Jaminet

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**Visioning + Beyond**

THE END OF THE LIBRARY AS WE KNOW IT TODAY

Lakeview K-8 School
Lakeview Local Schools
Cortland, OH
GPD Architects
**Visioning + Beyond**

THE END OF THE LIBRARY AS WE KNOW IT TODAY

West Muskingum Elementary School
West Muskingum Local Schools
Zanesville, OH
Fanning/Howey

Urbana PK-8 School
Urbana Local Schools
Fanning/Howey

Fairfield Freshman Center
Fairfield City Schools
SHP Leading Design
Visioning + Beyond
THE END OF THE CAFETERA AS WE KNOW IT TODAY

Middletown High School
Middletown City Schools
Fanning/Howey

Combined: Open Media Center and Open Student Dining
Health Safety + Welfare Reconsidered

• Do you believe this process improved HS+W?
  – Why?
• What more evidence do we need?
• If this is good, how do we scale up across the country?
  – What can OFCC do?
  – What can A4LE do?
  – Want can you do?

OFCC Planning Principles

• Multiple buildings in any single project
• Fewer, larger school buildings
• Educational Visioning
  – Educational practice change
  – Innovative facilities planning concepts
• Annual School Visioning + Transformation conferences
• Regular presentations on Visioning at educational leadership conferences
• Equity, facility condition assessment, enrollment projections
Transformation Process and History

• Key Commission Resolutions
  – 2007 LEED Requirement
  – 2009 21st Century Learning Environment

Ohio is Leading the Nation in LEED Schools
OFCC – 500+ Projects Registered to Date

Cincinnati City SD
Pleasant Ridge
Montessori
OFCC 1st LEED School
323 LEED Certifications
Certified – 6
Silver – 218
Gold – 96
Platinum – 3

Ohio Leading the Nation in LEED Schools
OFCC – 500+ Projects Registered to Date

Transformation Process and History

• Ohio School Design Manual Evolution
  – 2011 Student Centered Learning Environments
  – 2013 High Performance Learning Environments
  – 2014 Volume 1 Educational Facility Planning Guide
Transformation Process and History

COLLABORATIVE LARGE GROUP SPACES / PROJECT SPACES / INDIVIDUAL SMALL GROUP SPACES / INDIVIDUAL STUDY SPACES / BREAK-OUT SPACES

• ATTRIBUTES
  – Flexibility
  – Comfort
  – Ambiance
  – Technology/Connectivity
  – Places

• PLANNING CONCEPTS
  – Varied in design
  – Flexible
  – Small and large
  – Reconfigurable
  – Soft and hard seating

Transformation Process and History

• Hosted Seminars and Workshops
  – 2010 Seminar K-16
  – Educational Visioning + Transformation Workshops
  – OFCC 21C studio
Transformation Process and History

- Webinars and publications
  - Safety + Security in 21st Century Buildings
  - Making Things to Learn
  - Food. Sustainability. Engagement
  - Ergonomics
- Prequalified Educational Planners
- OFCC Staff Training

[osfc21cstudio.ning.com]
Transformation Process and History

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