NORTH ROYALTON CITY SCHOOLS
EDUCATIONAL VISIONING EXECUTIVE SUMMARY
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On September 14, 2017, over 100 members of the North Royalton City School District staff and community members came together to discuss their vision for education in their District, especially as it relates to the facilities needed to support their curricular and cultural goals. North Royalton City Schools recently passed a $88.9 million bond issue that will enable the District to build a new elementary school, an addition / renovation to the high school and various renovations to the middle school.

Attendees included school principals, teachers, administrators, community members, parents and students. The objectives for the day-long session were: (1) to further understand what is currently working or not working in the existing facilities; (2) to imagine the potential design of various spaces; and (3) to explore adjacencies at the new elementary school and high school sites, as well as a potential new media space in the middle school.

Facilitated by ThenDesign Architecture (TDA), the educational visioning session was the kick-off to the design process for the North Royalton City Schools project.
The following participants were invited to attend the session in order to provide valuable insight:

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<th>Name</th>
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<tr>
<td>Bruce Abbott</td>
<td>Transportation</td>
<td>Bus Driver</td>
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<td>Dave Albert</td>
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<td>Sarah Burrows</td>
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<td>Soo Henry</td>
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<td>Denise Kucha</td>
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<td>Beth Machusick</td>
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<td>Classroom Aide</td>
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<td>Melissa</td>
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<td>Mary Ellen</td>
<td>Library Clerk</td>
<td>Community Member</td>
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<td>Vince</td>
<td>Community Member</td>
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educational visioning agenda

AGENDA

- WELCOME & INTRODUCTIONS
- RECAP / WHAT TO EXPECT DURING THE DESIGN PROCESS
- SUCCESSES & CHALLENGES
- STUDENT-CENTERED LEARNING ENVIRONMENTS
- LUNCH
- PUTTING IT ALL TOGETHER
- CLOSING REMARKS
At the start of the visioning session, all attendees were given the opportunity to rank the following items in order of importance:

- Student Centered Learning Environments
- Storage
- Energy Efficiency
- Collaborative Space
- A/C
- Technology
- Outdoor Learning
- Natural Light (Windows)
- Flexible Furniture

Results from the survey are listed below:

**priority ranking: initial results**

1. Student Centered Learning Environments
2. Technology
3. Collaborative Space
4. A/C
5. Natural Light (Windows)
6. Flexible Furniture
7. Storage
8. Energy Efficiency
9. Outdoor Learning
recap visioning + what to expect

District Superintendent Greg Gurka started the day by providing an overview of the building project and the partnership with ThenDesign Architecture (TDA) and Hammond Construction. He impressed upon the participants that this is an exciting opportunity for the district.

Chris Smith, Partner at ThenDesign Architecture (TDA), shared a recap of the previous visioning session held in September 2015, along with the goals for this educational visioning session to ensure attendees had a clear understanding of what they needed to accomplish. Abby Rainieri, Project Manager at TDA, gave a brief overview of what to expect during the design process and outlined the below timeline for the design and construction activities of the project.
In the first breakout activity of the day, participants worked in groups to discuss what is and is not working in the existing school buildings. Each group then reported out to the rest of the participants. The elementary school, middle school, and high school successes and challenges they discussed are documented on the following pages.
our successes + challenges
what is working and not working in our District

successes at North Royalton City Schools

The District Overall

• Resourceful staff
• Community driven
• Collaborative
• Strong reputation
• Robust PTA relationship
• District is family
• Administration support
• Diversity
• Cost effectiveness
• Wonderful maintenance staff
• Bond issue passed
• Sensory room

Condition of the school building & grounds

• Some with spacious classroom size
• Some with flexible seating
• Great outdoor space
• Stadium
• Technology is moving forward
• Salad bar
• Restroom in some Pre-K & K classrooms
• Middle school science space
our successes + challenges
what is working and not working in our District

challenges at North Royalton City Schools

School building upgrades / improvements

• Bland colors in the building
• Storage areas
• Health concern with mold
• Learning space outdated
• No where to display student work
• Poor bell / PA system
• Separate bus drop-off & pickup
• Lunch room / recess
• Safety & security
• Restrooms are small and overall inadequate
• Traffic flow in hallways
• Parking layout / traffic flow
• Playground safety
• Old infrastructure
• Lack of climate control
• Lack of natural light
• Physical layout of buildings
• Music spaces small & tight
• Kitchen prep space
• Lack of collaboration space
• No dedicated sensory room / therapy space
• Old equipment
• Leaky roofs
XQ the super school project

TDA shared the XQ The Super School Project video clip, which shows how schools need to engage students in new ways to prepare them for the jobs of the future. XQ The Super School Project challenges America to re-think schools by transforming them into 21st-century learning facilities that prioritize creativity, innovation, and technology.
building blocks for student-centered learning environments

TDA shared a presentation on spaces for student-centered learning that highlighted other Northeast Ohio school districts with flexible and progressive educational spaces. Afterward, attendees participated in an exercise to envision the design possibilities for the following programmatic space for the elementary school, middle school and high school: Core Academics, Media Center, Music/Performing Arts, Student Dinning/Food Service, Safety & Security, Science/STEM, PE/Athletics, Visual Arts, Student Storage/Lockers, Administration, Maintenance/Custodial, Special Education, Exploratory Curriculum, and Outdoor Learning.

Small group discussion areas were setup throughout the room so attendees could provide their goals for these spaces in the new design. The ideal features for each space were then shared with all participants.

The information on the following pages represents the documented “wish list” for each area.
building blocks for student-centered learning environments

Ideal Elementary School Core Academic Spaces

- Natural light
- Flexible seating areas & spaces
- Poster storage drawers & larger storage
- Team collaboration areas
- Whiteboard storage
- Large rooms
- Smartboard presentation area
- Bookshelves
- Lots of space for small group work
- Controlled lighting (smart lighting)
- Small group areas with screen capabilities
- All-day kindergarten for all
- Wall length writing areas
- Differentiation spaces
- Room to play in K
- Multipurpose room for PTA, speakers, events, etc.
- Clear movable walls

Ideal High School Core Academic Spaces

- Collaborative rooms & spaces
- Lots of natural light
- Backpack chairs
- Convertible surfaces & flexible furniture
- AP classroom space
- Windows
- Access to kitchens (world language class)
- Hall space for groups to meet
- Spaces for teachers to meet / collaborate

Ideal Middle School Core Academic Spaces

- Science: updated electrical, water and gas
- Whiteboards instead of chalkboards
- Collaborative space and furniture
- Lots of natural light
- Bigger rooms (gifted & foreign language rooms)
building blocks for student-centered learning environments

Ideal Elementary School Media Center
- Child size bookshelves & seating
- Computer stations
- Creative space for doing projects
- Quiet spaces for small groups
- Lots of lighting
- Centrally located
- Center for innovative thinking/learning
- Stage/presentation area
- Collaboration areas
- Multiple media sources
- Keep books
- More technology for students to use
- Student/staff publishing area

Ideal Middle School Media Center
- Group space
- Enclose the loft (noisy)
- An area for group tech work
- Flexible seating and tables
- Quiet study spaces
- Small group spaces
- Embedded technology
- Flexible seating & spaces for collaborative & quiet time
- More computer labs
- Easier way to locate books

Ideal High School Media Center
- Quiet study spaces
- Small group spaces
- Designated camera area
- Performing area
- Study rooms & whiteboards
- Embedded technology
- Flexible seating & spaces for collaborative & quiet time
- Spaces available for before and after school for group work
building blocks for student-centered learning environments

**Ideal Elementary School Music/Performing Arts**
- No furniture (no desk & no chairs)
- Technology (projectors, cameras, and iPads)
- Large teacher storage closet
- Movable shelves for instruments
- Small and large group work areas
- Flexible furniture
- Tables with outlets
- Presentation space
- Large wall with movable whiteboards
- Green screen
- No carpet in classroom
- Carpet in large community room
- Storage within each classroom
- Centrally located special classes (music, pe, art)
- Large sink and counter to clean recorders
- Drinking fountain in community music area
- Separate from gym & cafeteria
- Stage for assemblies & grade level performances

**Ideal Middle School Music/Performing Arts**
- More instrument storage
- Traffic flow for retrieval of instruments
- Ability for music staff to see rehearsal spaces from the music office
- An auditorium
- Updated technology & wi-fi
- Bigger area for practice & writing areas

**Ideal High School Music/Performing Arts**
- Bigger band room
- Keep the parking lot
- Better instrument lockers
- Pave the lot and more lights to see
- More space for the band so they don’t have to share with choir
- PAC - updated lighting and sound
- PAC - balcony
- PAC - pit area is lower than the stage
- PAC - bigger stage
- Three performing rooms + small performance room
- Double doors in every room
- Uniform room located close to band room
- Equipment storage room not in rehearsal space
- Sound-rooms (sound proof function)
- Speakers and mic system in rehearsal rooms
- Acoustics in all music spaces
- Lockers for instrument storage
- Office space
- Band library & music storage
- Door that exists to the outside from rehearsal room
- Wi-fi
- Projector / dry erase board in rehearsal room
- Space on roof to rehearse
- Rooms & hallways that accommodate high traffic
Building Blocks for Student-Centered Learning Environments

Ideal Elementary School Student Dining/Food Service
- Flexible furniture and equipment for multiple uses
- Elimination of cafeteria / gym concept - separate spaces
- Flexible seating
- More choices
- Quiet spaces for students to eat in
- More room to prepare foods
- Sized appropriately
- Outdoor dining area
- Microwave
- Vegan/veggie options

Ideal Middle School Student Dining/Food Service
- Flexible furniture and equipment for multiple uses
- Grab & go
- Coolers on service line
- More open choices and more long tables
- Efficient cooking equipment
- Set seating for students, no movable chairs

Ideal High School Student Dining/Food Service
- Flexible furniture and equipment for multiple uses
- Places for students to reheat their lunches from home
- Coffee / smoothie station
- Microwaves
- One cafeteria, not two
- Common space stairs
- Eat in the courtyard & other outdoor spaces
- Dish-machine
- Staff dining
- Bagel area
- Scatter system
- Grill options
- Natural light
- Flexible seating/casual seating
- Kiosks throughout the building
- Vending machine in dining area
- Grab & go cooler in the serving line
Building Blocks for Student-Centered Learning Environments

Ideal Elementary School Safety & Security
- Separate foyer from entrance that restricts full access to the building
- Separate school bus lane from parent drop-off
- Fenced in playground area
- Mothers room / privacy room
- Office more open to front doors

Ideal Middle School Safety & Security
- Separate foyer from entrance that restricts full access to the building
- Have our ID’s have a barcode on them to let you in and out of the building
- Enter building straight into the office
- Keep the “buzz in”
- Ability to use outdoor spaces more

Ideal High School Safety & Security
- Separate foyer from entrance that restricts full access to the building
- ID barcode system to let you into classrooms
- Secure, but welcoming at the same time
- One secure entrance for entire school
- Single multi-station entryway (windows)
building blocks for student-centered learning environments

**Ideal Elementary School Science/STEM**
- Have a STEM program
- Maker spaces
- Spaces for group work, speakers, & experiments
- Large group spaces for STEM
- 3D printing
- Ability to print from any workspace

**Ideal Middle School Science/STEM**
- Maker spaces
- Flexible seating, specifically between lab vs presentation
- Updated electric, water, & gas
- Group tech areas
- Floor to ceiling whiteboards
- Laptops
- More 3D printing
- More robotic options
- STEM in 516
- Vex lego robotics club

**Ideal High School Science/STEM**
- Maker Spaces
- 3D printing labs
- Expanded robotics and programming
- Lecture / lab combo for each teacher
- Gas, H₂O, & electric
- Storage for student equipment & teacher materials
- Space for long-term projects
- Classrooms built around a central office where teachers can collaborate
building blocks for student-centered learning environments

Ideal Elementary School PE/Athletics
- A bigger gym space & a designated space
- More work/weight-room space
- Windows need to be replaced
- Mini fieldhouse with class space and office space
- Exercise equipment/tools to individualize a PE experience for students
- Educational space, labs and tech
- Dance studio/cheerleading

Ideal Middle School PE/Athletics
- A bigger gym space & a designated space
- A training room
- Designated gym area
- School nurse space close to trainer space
- Educational space, labs and tech
- Wrestling room
- Exercise equipment/tools to individualize a PE experience for students
- Dance studio/cheerleading

Ideal High School PE/Athletics
- A bigger athletic trainer space
- Educational space, labs and tech
- Exercise equipment/tools to individualize a PE experience for students
- Indoor track
- Stadium locker rooms
- Coaches office
- Team rooms
- Film room
- Training room
- Fieldhouse
- Student athletic storage
- Multipurpose gym one & two
- Dance studio/cheerleading
- Wrestling room
- Large exercise & weight room
- Batting cages
- Indoor tennis courts
building blocks for student-centered learning environments

**Ideal Elementary School Visual Arts**
- Lots of storage space
- Movable tables & chairs
- Teacher area
- Area for students to store continuing projects
- Floor space for students to create & build
- Counter/table space for students to stand and work
- Multiple sinks for cleaning supplies and hands
- Area to showcase student work
- Natural light
- Smartboards, document cameras, ipad access
- Furniture for K and 4th grade students (multi-functional)
- Open glass to the art room for projects to be displayed

**Ideal Middle School Visual Arts**
- For smaller projects have a smaller area and for larger projects have a larger space

**Ideal High School Visual Arts**
- Classrooms for each teacher to float from room to room
- Open space
- Natural light with the ability to close room for projections
- Tiered rooms (lofts & barn doors)
- Teachers share classrooms but have their own office
- Collaborative space to work as a team
- Student storage options & lots of options
- A sink that handles all
- Student designed murals/mosaics for content areas
- Shared media lab
building blocks for student-centered learning environments

Ideal Elementary School Student Storage/Lockers

- Cubbies in classroom
- Pre-K cubbies in view of teacher and sized correctly
- Store in collaborative space
- No desk
- Benches to put on boots and gym shoes
- Larger & better lockers

Ideal Middle School Student Storage/Lockers

- Spaces in classrooms for student materials
- Larger & better lockers

Ideal High School Student Storage/Lockers

- Open corridors
- Flexible seating & tech
- Uniformed sized lockers
- Larger & better lockers
- Student union type space
- Lots of charging stations in hallways
- Areas to meet for small groups
building blocks for student-centered learning environments

Ideal Elementary School Administration

• Comfortable teacher workrooms
• Nurse facilities that are functional and not a closet
• PTA conference room/space
• Multiple workrooms/more accessible for staff
• Ditch the desk, more room for collaboration

• High visible
• Conference area for meetings

Ideal Middle School Administration

• Comfortable teacher workrooms
• Give teaching time where they can study and ask questions
• Conference area for meetings
• Bigger space for the Nurses office in the main office

Ideal High School Administration

• Comfortable teacher workrooms
• One stop for all needs
• Additional meeting space
• Bigger conference rooms
• Conference area for meetings
building blocks for student-centered learning environments

Ideal Elementary School Maintenance/Custodial

- Storage
- Electric outlets
- HVAC
- Storage with doors for summers
- Bathrooms for the Handicap
- Central service closets

Ideal Middle School Maintenance/Custodial

- HVAC
- Have offices located in different parts of the school so it can be tracked more easily

Ideal High School Maintenance/Custodial

- Centrally located & accessible
- Outlets/electricity in the halls for service
- Storage (cleaners, desk/furniture, assemble/repair)
- Restroom ventilation/drainage
- Touch-free cleaning systems
- HVAC
- Main office kitchen that is sized appropriately with good plumbing
building blocks for student-centered learning environments

**Ideal Elementary School Special Education**

- Flexible space & seating, specifically for sensory needs
- Therapy services, Pre-K included
- Sensory & de-escalation spaces
- Quiet space within open areas, especially for group testing and do not have to leave the classroom
- Motor room for preschool sp.ed. program
- Appropriately sized counters, sinks, whiteboards, etc. for Pre-K classrooms
- Bathrooms in classroom for Pre-K
- Small group space close to gen. ed. classroom for co-teaching (flexible)
- RTI space for collaboration with small groups
- Do more activities with other students to understand how they learn and how to treat them
- Universal design for learning
- Inclusive atmosphere, facilities need to embrace different needs
- Opportunities for functional, job/life skills
- Donation pantry (food, clothing, household items)

**Ideal Middle School Special Education**

- Therapy services
- Sensory & de-escalation spaces
- Updated functional life curriculum spaces
- Flexible seating
- Collaborative spaces and individual work/office spaces
- Reading/quiet nooks for individual learning
- Do more activities with other students to understand how they learn and how to treat them
- Inclusive atmosphere, facilities need to embrace different needs
- Opportunities for functional, job/life skills
- Donation pantry (food, clothing, household items)
- Bigger room for the students to have room for activities

**Ideal High School Special Education**

- Therapy services
- Sensory & de-escalation spaces
- Updated functional life curriculum spaces
- Do more activities with other students to understand how they learn and how to treat them
- Inclusive atmosphere, facilities need to embrace different needs
- Opportunities for functional, job/life skills
- Donation pantry (food, clothing, household items)
building blocks for student-centered learning environments

Ideal Elementary School Exploratory Curriculum
• Space, learning, & work
• Community use space
• Intro. to robotics & fab labs
• Some intros. to different things
• Makerspace (hands on)
• Large spaces should be used for other things, i.e. lunch is not in the gym
• Room for clubs

Ideal Middle School Exploratory Curriculum
• Space, learning, & work
• Ability to demo or share at another school
• Makerspace

Ideal High School Exploratory Curriculum
• Space, learning, & work
• New equipment
• Not to be cut or reduced
• Replacement plan on equipment
• Windows/outside access/vents (lots)
• Robotics lab & more engineering options
• Share kitchen
• Maintain space & classes for kids that need them i.e. 20th century jobs still need training
building blocks for student-centered learning environments

Ideal Elementary School Outdoor Learning

• More outdoor learning stations
• Outdoor garden
• Recycling; environmental ed.
• Nature center through Metroparks - butterfly garden
• Table & seating to be able to take classes outside
• Picnic tables
• Interactive spaces where students can have a role in helping grow a garden, etc.
• Covered spaces (pavilion)
• Painted learning; spaces
• Outdoor learning spaces should include restrooms

Ideal Middle School Outdoor Learning

• Classes at Memorial Park
• More nature classes or tables outside for it
• Collaborative area outside
• Outdoor learning spaces

Ideal High School Outdoor Learning

• High school band using parking lot as classroom space for painting shows, saves hours on rehearsal time & also does not take up grass field in the evening
• Outdoor study areas
• Functional courtyards
• Space to go outside for lunch & study hall
• During class changes, a covered walkway outside for students to use from certain classes to others
putting it all together

TDA facilitated a final exercise that challenged groups to think about how the building components should be situated. Using prepared “to-scale” cutouts of each space type, each group developed concepts for adjacencies and layouts. The groups mapped out concept plans illustrating the variety of options that could be considered and then presented their vision to the full group for the following:

- High School Site
- Middle School Media Center
- Elementary School Site
putting it all together
common and unique themes

The following themes were identified after reviewing each group's proposed site layouts:

High School

Common Themes:

1) Two-story lunch area
2) Additional square footage for band
3) Gym adjacency
4) 50% of groups placed music by PAC
5) Adjacency of academic spaces
6) Separate entry for events
7) Combine the cafeterias into one
8) Connect all second floor areas at second floor level

Unique Themes:

1) Field house
2) Large band space
3) Replace first floor academic area with cafeteria
4) Make existing cafeteria by PAC the new community room

Middle School

Common Themes:

1) Open spaces
   a. for student monitoring
   b. better collaborative use
2) Bookshelves built into furniture
3) Relocate the circulation desk/media center station

Unique Themes:

1) Remove mezzanine
2) Incorporate coffee shop (Bear Den)
putting it all together

common and unique themes

The following themes were identified after reviewing each group’s proposed site layouts:

**Elementary School**

**Common Themes:**

1) Separate bus and parent drop off and pick up
2) Multiple entrances around building
3) Grouping students into separate areas of the school by grade/neighborhood
4) Restrooms available in every student grouping
5) Central location of resources used by whole school
6) Incorporation of a nature center outdoors
7) Scatter admin and special education throughout
8) Separate PK entry, dropoff, play area

**Unique Themes:**

1) Covered bus drop off
2) “Front” of building oriented north or south.
   Seemed dependent on parking arrangements which ranged from around building, to all in front, to parking deck.
3) Bus drop off in the back
4) Viewing deck nature center
priority ranking results

After the final exercise, all attendees were given a second opportunity to rank the same items in order of importance to determine if priorities changed:

Results for the initial and final survey are listed below:

priority ranking: initial results

1. Student Centered Learning Environments
2. Technology
3. Collaborative Space
4. A/C
5. Natural Light (Windows)
6. Flexible Furniture
7. Storage
8. Energy Efficiency
9. Outdoor Learning

priority ranking: final results

1. Student Centered Learning Environments
2. Collaborative Space
3. Technology
4. A/C
5. Natural Light (Windows)
6. Flexible Furniture
7. Storage
8. Outdoor Learning
9. Energy Efficiency
• Educational Visioning Session Agenda
• Architecture and Construction Terminology
• Slides from TDA’s presentation
• Our Successes + Challenges: Images of Flip Chart Notes
• Student-Centered Learning Environments: Images of Flip Chart Notes
• Proposed Site Layout: Images of Site/Floor Plans
# Educational Visioning Session Agenda

**North Royalton City School District**  
**September 14, 2017**

<table>
<thead>
<tr>
<th>Time</th>
<th>Activity</th>
<th>Presenter</th>
</tr>
</thead>
<tbody>
<tr>
<td>8:00 – 8:30</td>
<td>Arrival, Sign-in and Coffee</td>
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<tr>
<td>8:30 – 8:30</td>
<td>Welcome and Introductions</td>
<td>Greg Gurka, Superintendent</td>
</tr>
<tr>
<td>8:30 – 8:45</td>
<td>Recap Visioning / What to Expect During Design Process</td>
<td>Chris Smith, TDA</td>
</tr>
<tr>
<td>8:45 – 9:05</td>
<td>Breakout Groups: Success and Challenges</td>
<td>Group Work</td>
</tr>
<tr>
<td>9:05 – 9:20</td>
<td>Breakout Groups: Report Out</td>
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<tr>
<td>9:20 – 9:30</td>
<td>XQ: Rethinking Education video</td>
<td>Abby Twarsik Rainen, TDA</td>
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<tr>
<td>10:00 – 10:10</td>
<td>Break</td>
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<tr>
<td>10:10 – 10:30</td>
<td>Presentation: Student Centered Learning Environments</td>
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<tr>
<td>10:30 – 11:00</td>
<td>Breakout Groups: Student Centered Learning Environments</td>
<td>Group Work</td>
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<tr>
<td>11:00 – 11:30</td>
<td>Lunch</td>
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<tr>
<td>11:30 – 12:15</td>
<td>Breakout Groups: Report Out</td>
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<tr>
<td>12:15 – 1:15</td>
<td>Breakout Groups: Putting it All Together</td>
<td>Group Work</td>
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<tr>
<td>1:15 – 2:15</td>
<td>Breakout Groups: Report Out</td>
<td></td>
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<tr>
<td>2:15 – 2:30</td>
<td>Closing Remarks</td>
<td>Greg Gurka, Superintendent</td>
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</tbody>
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*Footnotes:*
- **TDA**: The Design Architecture
- **XQ**: Experience Schooling (Rethinking Education video)
### Cheat Sheet for Architect Lingo

<table>
<thead>
<tr>
<th>Acronym</th>
<th>Description</th>
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<tbody>
<tr>
<td>BIM</td>
<td>Building Information Modeling (REVIT)</td>
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<td>CD</td>
<td>Construction Documents</td>
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<td>CMR</td>
<td>Construction Manager at Risk</td>
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<td>Cx</td>
<td>Commissioning Agent</td>
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<td>DD</td>
<td>Design Development</td>
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<td>ELA</td>
<td>Extended Learning Area</td>
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<td>EPA</td>
<td>Environmental Protection Agency</td>
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<td>ESA</td>
<td>Environmental Site Assessment</td>
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<td>GMP</td>
<td>Guaranteed Maximum Price</td>
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<td>LEED</td>
<td>Leadership in Energy and Environmental Design</td>
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<td>LFI</td>
<td>Locally Funded Initiative</td>
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<tr>
<td>MEP</td>
<td>Mechanical, Electrical and Plumbing</td>
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<td>MOU</td>
<td>Memorandum of Understanding</td>
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<td>MPA</td>
<td>Maintenance Plan Advisor</td>
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<td>NOI</td>
<td>Notice of Intent</td>
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<td>OFCC</td>
<td>Ohio Facilities Construction Commission</td>
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<td>OSFC</td>
<td>Ohio School Facilities Commission</td>
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<td>PA</td>
<td>Project Administrator</td>
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<td>PBL</td>
<td>Project Based Learning</td>
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<td>PDR</td>
<td>Program of Requirements</td>
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<td>RPC</td>
<td>Regional Planning Consultant</td>
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<td>SCLE</td>
<td>Student Centered Learning Environment</td>
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<td>SD</td>
<td>Schematic Design</td>
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<td>SF</td>
<td>Square Feet</td>
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<td>SWPPP</td>
<td>Storm Water Pollution Prevention Plan</td>
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<td>USGBC</td>
<td>United States Green Building Council</td>
</tr>
<tr>
<td>VCT</td>
<td>Vinyl Composition Tile</td>
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</tbody>
</table>
Welcome & Introductions

AGENDA

Welcome & Introductions
Recap / What to Expect During the Design Process
Successes & Challenges
Student-Centered Learning Environments
Lunch
Putting It All Together
Closing Remarks

2015 Visioning Session – Recap

What to Expect During the Design Process
We Inspire and Empower Learners

What are we designing?

- New Elementary School
- Addition and Renovation to High School
- Renovation to Middle School

New buildings completed for 2020-2021 school year

Breakout Groups
Our Successes & Challenges

Student Centered
Educational Design

Understanding 21st Century Skills

Collaboration
project-based Learning

Interactivity
Engagement
Blended Learning

Creativity
STEAM

Arts Integration

Lintz Learning Model

Engaging, Inclusive Districts

Collaborative Instructional Teams

Student-Centered Learning

Research-Based Instruction

Blended Learning

Technology

Collaboration

Project-based Learning

Interdisciplinary

Hands-on

STEAM

Engagement

Inclusion

Blended Learning

Collaborative Instructional Teams

Student-Centered Learning

Research-Based Instruction

Technology
appendix
slides from TDA’s presentation
appendix
slides from TDA's presentation

Collaborative Space

Collaborative Space

Collaborative Space

Collaborative Space

Collaborative Space

Collaborative Space
appendix
slides from TDA’s presentation

Learning Lab

Media-rich learn lab

Media-rich learn lab

Elementary makers space
Elementary makers space

High School makers space

What is being taught in this classroom?

Flexible furniture

Flexible furniture

Flexible furniture
appendix
slides from TDA’s presentation

Flexibility between classrooms

Corridors

Corridors
MC² STEM HS: Cleveland, Ohio

MC² STEM HS: GE's Nela Park

MC² STEM HS: Great Lakes Science Center

MC² STEM HS: CSU & Mobile

Flexibility

Flexibility
appendix
slides from TDA’s presentation

Flexibility

Media Centers

Mentor High School - before

Mentor High School – “The HUB”

Mentor High School

Mentor High School
appendix
slides from TDA’s presentation

Mentor High School

“I’m just very impressed that we have this type of facility in Mentor and probably my biggest takeaway is how well the kids are fitting into this space and using it for educational purposes. I think this is a good model for the rest of the state of Ohio to see what kind of evolution we have to go through for our kids and how an upgrade like this can really have an impact on teaching and learning.”

–Matt Miller, Superintendent

“I really think these spaces help support the 21st century skills we are trying to teach our students. We want our students collaborating and using technology to solve problems and think critically, and these spaces really support that.”

–Tracy Coleman, English Teacher

Massillon Middle School

Creative Messaging

Max Hayes High School

NORTH ROYALTON CITY SCHOOLS   EDUCATIONAL VISIONING
Appendix
slides from TDA’s presentation

Max Hayes High School

Physical Education

Physical Education/Athletics

Building as a teaching tool

Beverly Hills High School

Independence High School
appendix
slides from TDA’s presentation

Perry Elementary School

Mentor High School

Student Dining

Dalton K-8 School

Student Union

Independence High School
appendix
slides from TDA’s presentation

Cloverleaf 3-8 grade school

High School, Colorado

Safety and Security

Cloverleaf School

Safety and Security

Breakout Groups
Student Centered Learning Environments
appendix
slides from TDA’s presentation

Breakout Groups
Putting it all Together

Closing Remarks

PRIORITY
1.
2.
3.
Appendix

Our successes + challenges: Images of flip chart notes

Successes

Community & Parent Support
Do a lot with tight resources
Good quality staff
District moving forward, involving staff & community
Very student oriented

Very technology tools to contact with each other
Close/supportive staff collaboration

Challenges

Blind color in kids
Poor work flow in service area/receiving and food shipment
Storage areas
Health concern with mold/water quality (lead) in building
M.S. Brown water

Learning space out dated
Student work display space (cork strip)
Toilet work up in halls
Large bulletin board for halls (cork)
Separate EM light controls for presentation

Bell system in HS - MS

EVM Poor

Restroom in Classroom - K
Current Office space is great - E

Even w/ limited resources/upgrades
- great educational experience - All

Salad Bar - HS

Strong Technology Infrastructure

District is a FAMILY

District's willingness to support “flexible” seating

Amazing parents' support
appendix

our successes + challenges: images of flip chart notes

Challenge:

- Need more Restrooms - All by Classrooms + Specialists
- Need more Water Fountains - that can fill up bottles
- Tighter/Stricter measures in ALL Buildings
- Elem. Schl. Amenities ie. lockers, etc. need to be heath appropriate
- Lunch + PE Schedules overlap share the same space
- Stranger Tech/Infrastructure at HS
- Lighting Options - Flexibility
- Upgrade Kitchens to offer more options
- More writing surface in Cmnr for Teachers

- Areas to display students Art projects, etc. in Cmnr or Hallway
- HVAC !!!
- Space in general overcrowded, in HS + E
- More collaborative space - HS
- HS same subject (e.g., bio, chem)

Storage
Climate Control
Bathrooms (too few)
Water Fountains (few)
Special needs rooms
Narrow hallways
Traffic conflicts
Parking
Secure playground
Media centers
More collaborative
More secure entrances
Better student storage
Need meeting rooms
PTA & other

People
Technology
Responsive administration
Parent support
Appendix

Our successes + challenges: images of flip chart notes

Successes

• Library @ MS
• Collaboration
• Resourceful staff
• Support services (cafeteria)
• Close community of elementary
• Amazing students:
• PTA
• Showcase of creative art success @ MS

Challenges

• Security
• Natural light
• Wider hallways
• Climate control
• Collaborative spaces
• Student storage
• Technology infrastructure
• Vehicle traffic flow
• Class sizes
• Space for creative arts

Success

• Staff! Flexibility
• Resourceful
• Communicating w/ families
• Students!
• Strong supporters
• Schedule (MS specific)
• Lunch @ MS is stag
• $ responsible
• Teachers given time to collaborate

Challenges

• Technology
• Elementary lunch/access
• Physical layout of buildings
• Flex seating & desks/tables
• Parking lots
• Dedicated sensory room
• Temperature & air quality
• Getting in/out of buildings & to classes
• Space!!
• Security (buzzed in)
• Elementary collaboration
• Locker space @ MS
appendix
our successes + challenges: images of flip chart notes
appendix

our successes + challenges: images of flip chart notes

Successes
- Collaboration
- People (community, staff, students)
- Communication (of community)
- Admin/staff relationship
- Good reputation/recruiting (staff, community)
- Fiscal responsibility
- Varied experience & energy for teaching

Challenges
- Space (limited/flexibility)
- HVAC
- Technology (outdated)
- Lack of resources
- Bathrooms
- Fiscal responsibility
- Storage
- Parking/event scheduling
- Limited staff for "new" education
- Electric capacity

Success (Elem/MS)
- Technology
- Meeting educational needs of all children
- Collaboration
- Good staff
- Leadership
- Done a lot with a little

Challenges
- Space (multifunctional)
- Flow
- Heating/Cooling
- Security
- Technology (HS)
- Consistency in technology
- Innovation
appendix
our successes + challenges: images of flip chart notes

- bringing flexible seating
- teachers/staff
- implementation of more technology
- support from community
- collaboration time
- storage options
- tech infrastructure
- hallways
- access to
- athletic fields
- core
- ten marks
- parking
- bigger class sizes
- lack of competitive science labs/learning spaces
- bond passed
- visioning meetings
- theater space
- lack of special Ed.
- lab
- movie skills in Ed.
- culture
- adaptive
- class-size 15
- support
- group in PTA, etc.
- family oriented community
- technology
- staff bond is strong
- make the most of what we have
+ collaborative spaces
- collaborative
- security
- hot/cold conditioning/HVAC
- technology
- hallway flow
- parking
- storage
- drinking water
- separate space for PE/Eating
- bond room small
- lighting: Natural light
- Elem: having all grade levels together
- electrical needs - capacity
- can’t force in Elem outside
- space
- unusable courtyard HS

NORTH ROYALTON CITY SCHOOLS  EDUCATIONAL VISIONING

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appendix

our successes + challenges: images of flip chart notes
# Appendix

**Our successes + challenges: images of flip chart notes**

<table>
<thead>
<tr>
<th>Successes</th>
<th>Challenges</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tech. is money, know it!</td>
<td>* Air conditioning/Heating rooms (more)</td>
</tr>
<tr>
<td>Great staff</td>
<td>More storage, science area</td>
</tr>
<tr>
<td>President &amp; all offices</td>
<td>Poor building conditions</td>
</tr>
<tr>
<td>Athletic facilities</td>
<td>Traffic</td>
</tr>
<tr>
<td>Sensory rooms</td>
<td>Need space for collaboration</td>
</tr>
<tr>
<td>Clear art wing</td>
<td>Classroom set-up, learning</td>
</tr>
<tr>
<td>Support from PTO</td>
<td>Click sending, media center</td>
</tr>
<tr>
<td>Bond issue passed</td>
<td>Track issues, parking</td>
</tr>
<tr>
<td>Business/community relations</td>
<td>Poor building conditions</td>
</tr>
<tr>
<td>Good collaboration with board</td>
<td>Speeded up trailer</td>
</tr>
<tr>
<td>Schools are central to community</td>
<td>Update: Furniture needed, more restrooms</td>
</tr>
<tr>
<td>Ability to get grants</td>
<td>Larger classrooms needed</td>
</tr>
<tr>
<td>Promote admin. work</td>
<td>Outdoor learning spaces needed</td>
</tr>
<tr>
<td>Work well with board</td>
<td>5) Classrooms needed- looking at teachers' schedules, more co-teach between grade</td>
</tr>
<tr>
<td>School board members</td>
<td>Large classes need safety/security</td>
</tr>
</tbody>
</table>
appendix
Core Academics - student-centered learning environments: images of flip chart notes
## Appendix

**Media Center - student-centered learning environments:**

**Images of flip chart notes**

<table>
<thead>
<tr>
<th><strong>ES</strong></th>
<th><strong>Ms</strong></th>
<th><strong>HS</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Collaboration areas</strong></td>
<td><strong>Study rooms within</strong></td>
<td><strong>Group spaces</strong></td>
</tr>
<tr>
<td>multiple media sources</td>
<td>subject areas don't have to worry about being too loud</td>
<td>enclosure just for tech work</td>
</tr>
<tr>
<td><strong>Flexible seating</strong></td>
<td><strong>Flexible seating</strong></td>
<td><strong>Soft seating</strong></td>
</tr>
<tr>
<td>+ spaces for collaboration + quiet work</td>
<td>+ spaces for collaboration + quiet work</td>
<td>- quiet spaces for small groups</td>
</tr>
<tr>
<td>- have more workstations in area</td>
<td></td>
<td>- Lots of lighting</td>
</tr>
<tr>
<td>- have more workstations in area</td>
<td></td>
<td>- located</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- epicenter for innovative learning and thinking</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- stage/presentation area</td>
</tr>
</tbody>
</table>

**Notes:**
- More technology for kids to use in Ms.
- Puppet stage
- Student/staff publishing area
appendix
Music/Performing Arts - student-centered learning environments: images of flip chart notes
# Appendix

**Student Dining / Food Service - student-centered learning environments: images of flip chart notes**

<table>
<thead>
<tr>
<th>ES</th>
<th>MS</th>
<th>HS</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Size appropriate svg line</strong>&lt;br&gt;Solicit dining area from the ES&lt;br&gt;Outdoor dining area&lt;br&gt;Food that is prepared by staff - not just heated up&lt;br&gt;Fresh food&lt;br&gt;Microwave&lt;br&gt;Vegan/Vegetarian options</td>
<td><strong>Grab &amp; Go</strong>&lt;br&gt;Smaller on svg line&lt;br&gt;Nurse each station and add to next line&lt;br&gt;Sufficient cooking equipment&lt;br&gt;<strong>Grill options</strong>&lt;br&gt;Natural light&lt;br&gt;Flexible seating&lt;br&gt;Kiosks throughout buildings&lt;br&gt;<strong>Vending in Media Center</strong>&lt;br&gt;Break at the lower svg line&lt;br&gt;Convenient seating</td>
<td><strong>Table</strong>&lt;br&gt;Smaller on svg line&lt;br&gt;Staff should have&lt;br&gt;Exhibit equipment&lt;br&gt;Food can be cooked for well grown students&lt;br&gt;<strong>Flexible seating for students</strong>&lt;br&gt;More choices for staff&lt;br&gt;Quiet spaces for students to eat in&lt;br&gt;Counter seating</td>
</tr>
</tbody>
</table>
appendix
Safety & Security - student-centered learning environments:
images of flip chart notes
appendix
Science/STEM - student-centered learning environments:
images of flip chart notes
PE/Athletics - student-centered learning environments:
images of flip chart notes
appendix

Visual Arts - student-centered learning environments:
images of flip chart notes
appendix
Student Storage/Lockers - student-centered learning environments: images of flip chart notes
### Appendix

**Administration - student-centered learning environments:**

**Images of flip chart notes**

<table>
<thead>
<tr>
<th>ES</th>
<th>MS</th>
<th>HS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dilisthe Desk: limited space in principal's office for desk furniture; no open space for student centers, collaboration area.</td>
<td>Bigger space for the nurse's office in the main office.</td>
<td>Conference area for meetings.</td>
</tr>
<tr>
<td>Conference area for meetings.</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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<thead>
<tr>
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<th>HS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Confidecally, teaching - classrooms.</td>
<td>Give teaching time where they can study and ask questions.</td>
<td>1 STOP for all needs (police, fire, noon meeting).</td>
</tr>
<tr>
<td>Nurse facilities that are functional (not a closed room).</td>
<td>Conference room/office.</td>
<td>Additional meeting space (outside main office).</td>
</tr>
<tr>
<td>PTA</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Highly visible.
appendix
Maintenance/Custodial - student-centered learning environments: images of flip chart notes
appendix
Special Education - student-centered learning environments: images of flip chart notes
appendix
Exploratory Curriculum - student-centered learning environments: images of flip chart notes
### Appendix

**Outdoor Learning - student-centered learning environments:**

Images of flip chart notes

<table>
<thead>
<tr>
<th>ES</th>
<th>MS</th>
<th>HS</th>
</tr>
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<tbody>
<tr>
<td><strong>Outdoor Learning</strong></td>
<td><strong>Outdoor Learning</strong></td>
<td><strong>Outdoor Learning</strong></td>
</tr>
<tr>
<td>- Nature Center</td>
<td>- Nature Center</td>
<td>- Nature Center</td>
</tr>
<tr>
<td>- Recycled materials</td>
<td>- Recycled materials</td>
<td>- Recycled materials</td>
</tr>
<tr>
<td>- Collaborative learning</td>
<td>- Collaborative learning</td>
<td>- Collaborative learning</td>
</tr>
<tr>
<td>- Table/learning spaces</td>
<td>- Table/learning spaces</td>
<td>- Table/learning spaces</td>
</tr>
<tr>
<td>- Picnic tables</td>
<td>- Picnic tables</td>
<td>- Picnic tables</td>
</tr>
<tr>
<td>- Covered spaces</td>
<td>- Covered spaces</td>
<td>- Covered spaces</td>
</tr>
<tr>
<td></td>
<td>- Recommendations</td>
<td>- Recommendations</td>
</tr>
</tbody>
</table>

- Picnic tables
- Covered spaces
- Recommendations

**During Class**

Changes, a covered pathway outside for students to use when changing classes. One minute of fresh air is good.
appendix
proposed site layouts for North Royalton Elementary School
app\nend\nix

proposed site layouts for North Royalton Middle School Media Center
appendix
proposed site layouts for North Royalton High School