DISCOVER THE POSSIBILITIES.
CONTINUING THE VISION FOR ALLEN ISD
LEARNING OBJECTIVES

Objective 1
- Learn how to optimize opportunities to transform existing facilities

Objective 2
- Illustrate what effect phased construction can have on design

Objective 3
- Understand the role of the change management process with building users for an impactful outcome

Objective 4
- Understand the challenges of renovating an occupied campus
LEARNING OBJECTIVES

- Comprehensive transformation of elementary schools
- Highlight schedule and scope for each project
- Engaging & learner focused spaces to inspire students, attract quality faculty & welcome the community
- The project reinvented the facility to meet the rigors of a technology centric teaching & learning environment
- Highlight the collaboration between facility managers, administration & principals, the design & construction team & the community
- The result is a cohesive facility that reinforces the vision of the project and meets the needs of a growing community
WHY DOES FACILITY DESIGN MATTER?
<table>
<thead>
<tr>
<th>Increased student engagement</th>
<th>Students taking pride in their surroundings and caring for them</th>
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<tbody>
<tr>
<td>Practical solutions and materials that can stand the test of time</td>
<td>Low maintenance materials and finishes</td>
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</table>
DECISIONS MUST BE THOUGHTFUL AND HAVE LONG-TERM IMPACT ON M&O DOLLARS SPENT; EVERY OPTION NEEDS TO BE VALIDATED BASED ON THE OPTION THAT GIVES THE MOST BANG FOR YOUR BUCK.
21ST CENTURY SKILLS

COLLABORATION
CRITICAL THINKING
CREATIVITY
COMMUNICATION
22ND CENTURY SKILLS

COGNITIVE

INTERPERSONAL

INTRAPERSONAL
UNIVERSAL DESIGN FOR LEARNING

EXPRESS

PRESENT

PARTICIPATE
CURRICULUM MODELS

SUBJECT-BASED CURRICULUM
- Most traditional type
- Gives the teacher control over student experiences and activities.
CURRICULUM MODELS

SUBJECT-BASED CURRICULUM
- Most traditional type
- Gives the teacher control over student experiences and activities.

ACTIVITY/ PROJECT-BASED CURRICULUM
- Learning of the prescribed material takes place through activities.
- Activity is the greatest motivation for a child.

LEARNER-CENTERED CURRICULUM
- Teacher becomes a guide and the student is allowed the freedom to learn in the format that works best for them.
- Usually goal-oriented, with different assignment options and means to receive information. Requires flexible spaces and regular feedback from teachers.

INTEGRATED CURRICULUM
- Unifies subjects and experiences
- Also referred to as the STEM Model in which Art and Language Arts are integrated into Science, Technology, Engineering and Math classes.
FRAMING THE PROBLEM
CITY OF ALLEN

- DIVERSE
- 44% BOOMBURBS
- YOUNG
- 50% RESIDENTS WITH A COLLEGE DEGREE
- PROFESSIONAL WELL-EDUCATED
ALLEN ISD

97.3% GRADUATION RATE

501 STUDENTS IN IB PROGRAM

1,017 STUDENTS IN DUAL-CREDIT COURSES

21,500 TOTAL STUDENT ENROLLMENT

50% HIGH SCHOOL STUDENTS ENROLLED IN MULTIPLE AP COURSES
27 BUILDINGS

20,852 STUDENTS

1 to 1
ONE FRESHMAN & ONE HIGH SCHOOL CAMPUS

41% PROJECTS KWH SAVINGS PER YEAR FOR RENOVATED CAMPUSES

$15,000 ACTUAL SAVINGS FOR 5 MONTHS
Upgrades were done every 15 years
- Primarily finishes replacement
- Ceiling replacement through the campus
- Technology & clock upgrades throughout the campus
- Updated room signage
- Replacement of classroom millwork
- New doors at classrooms
- Technology upgrades for all classrooms
TIME SHIFT.

RESOURCE SHIFT.

PERSPECTIVE SHIFT.
SOLVING THE PUZZLE

7 YEAR CYCLE
Painting high traffic areas

15 YEAR CYCLE
Painting throughout campus

21 YEAR CYCLE
Complete campus renovation, HVAC, lighting upgrades, align facility with curriculum, technology upgrades

THE KEY IT TO KEEP THE BUILDING FRESH AND NEW UNTIL SYSTEM UPGRADES ARE NEEDED.
IT TAKES A VILLAGE

- Facility Managers
- Design & Construction Team
- Administrators
- Principals
SCOPE
BOLIN ELEMENTARY SCHOOL

- Limited site scope
- Flooring replacement
- Ceiling replacement
- Technology and clock upgrades
- Tile wainscot
- New LED lighting
- Updated room signage
- Classroom millwork replacement
- New classroom doors
- Technology upgrades
BOLIN

MAY 2017- AUG 2017

$9.3M BUDGET
PROPOSED SCOPE

- **Gymnasium**: New acoustical wall finish, new projection screen to be concealed and addition of new projector. Local sound, paint ducts, & add grills for protection. Same finish materials.

- **Connector area**: New canopy and area drain. Re-work concrete area.

- **Music Room**: Acoustical ceiling and acoustical wall treatment.

- **Restroom Areas**: To be gutted down to the stud, new layout and new finishes to be provided.

- **Computer Room**: Room to be divided in half, new area to accommodate book storage and teacher planning room.

- **Art Room**: Millwork replacement and addition of third deep sink.

- **Science Classroom**: Provide access to AIM Classroom, demo upper cabinets and provide new.

- **Classrooms**: Provide new millwork and one (1) wall to receive accent color

- **Teacher Planning/Millwork Area**

- **Electrical Rooms**

- **Library area**: Demo of offices located at the east side (plan north) for library expansion. Access from corridor to be spruced up.
PROPOSED SCOPE

**Administration Area:** Addition of security vestibule and reconfiguration of office areas.

**Cafeteria:** Removal of folding partitions, concealment of projection screen and new stage lighting and new local sound.

**Restroom Areas:** To be gutted down to the stud, new layout and new finishes to be provided.

**Classrooms:** Provide new millwork and one (1) wall to receive accent color

**Electrical Rooms**

**Library area:** Demo of offices located at the east side (plan north) for library expansion. Access from corridor to be spruced up.

**Multipurpose Room:** Room to be divided in half, east area (plan north) to remain Multipurpose room, west area to be reconfigured to accommodate the Counselor’s office and Counselor’s Pull Out Space (28 students). Provide folding partitions for flexibility of space- Space currently used for staff meeting, combining classes and book fair.
SCOPE
KERR ELEMENTARY SCHOOL

- Limited site scope
- Flooring replacement
- Ceiling replacement
- Technology and clock upgrades
- Tile wainscot
- New LED lighting
- Updated room signage
- Classroom millwork replacement
- New classroom doors
- Technology upgrades
KERR

MAY 2018- AUG 2018

$10.7M
BUDGET
PROPOSED SCOPE

Gymnasium: New acoustical wall finish, new projection screen to be concealed and addition of new projector. Local sound, paint ducts, & add grills for protection. Same finish materials.


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50% ENERGY SAVINGS OVER YEAR PERIOD
WHAT CHANGES NEED TO OCCUR TO PREPARE FUTURE-READY LEARNERS?
2025 JOB LISTINGS

Digital Death Manager
Un-Schooling Counselor
Armchair Explorer
3D Printing Handyman
Microbial Balancer
Corporate Disorganizer
Digital Detox Specialist
The Urban Shepherd

SOURCE: FASTCOEXIST.COM

Big Data
R&D
Veterinarian
Medical Technician
Athletic trainer/physical therapist
Sales & Marketing
Human Factors Engineers & Ergonomists

SOURCE: CHALLENGERGREY.COM
MARION ELEMENTARY SCHOOL
LEARNING AREAS

NODES AS EXTENSION OF LEARNING SPACES
LEARNING AREAS

SMALL GROUP LEARNING SPACES
LEARNING AREAS
SMALL GROUP LEARNING SPACES
LEARNING AREAS

SHARED LEARNING SPACES
LEARNING AREAS
CENTRAL MEDIA WITH ADJACENT INNOVATION HUB
SCOPE

- Limited site scope
- Flooring replacement
- Ceiling replacement
- Technology and clock upgrades
- Tile wainscot
- New LED lighting
- Updated room signage
- Classroom millwork replacement
- New classroom doors
- Technology upgrades

AND

- Changes to the built environment to address curriculum
- The scope of the changes are concentrated in the building center. A safe way for the district to experiment
COMPARISON

BOLIN
70 DAYS/ $9.3M

KERR
68 DAYS/ $10.7M

MARION
78 DAYS/ $13.2 M
PROJECT GOALS

INDIVIDUAL AND GROUP LEARNING SPACES

S.T.E.A.M LEARNING ENVIRONMENT

CROSS-CLASSROOM TEAMING

LIGHT, AIRY, MINIMAL

VISUAL CONNECTIONS

NUCLEUS (CENTRALIZED LEARNING)

FLEXIBLE TECHNOLOGY

WAYFINDING
NUCLEUS
PERSPECTIVE 1

MEDIA ENTRY
PERSPECTIVE 3
ART CLASSROOM
PERSPECTIVE 4
COLLABORATION
CHANCE COURSE

- Be willing to stand up:
  Beliefs based on DATA
- Base decisions on how the facilities will be used
THANK YOU.