# Bond Planning Committee

Meeting #2

October 28, 2025

# Welcome from your Superintendent



**Dr. Gayle Stinson**
**Superintendent of Schools**

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# Meeting Facilitator




## Dr. Lizzy Johnson
## Meeting Facilitator

Lizzy@Transcend4.com
940-595-0251

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# Committee Charge

The 2025–2026 Birdville ISD Bond Planning Committee will:

- Consider the educational needs of all students and align with the district's mission, vision, and strategic objectives.
- Represent the entire community, its values, and investment in their hometown schools.
- Assess and prioritize the district's current and long-term facility needs, including new construction, renovations, equipment/system life cycles, and capital improvements.
- Bring forward recommendations to the Board of Trustees for addressing the district's facility needs to support high-quality instruction and advancement of student programs.

# Agenda

- Welcome
- Committee Charge
- Norms & Process Overview
- Program Update
- Instructionally Aligned Spaces
- Facilities Condition Assessment
- Closing

# Housekeeping

- All relevant materials and information will be distributed to you as handouts.
- Due to time constraints, no breaks have been scheduled. Please take care of your personal needs on your own.
- The Birdville ISD Leadership Team is here to serve you and to be a resource. Ask questions.
- Your attendance at every meeting will help yield optimum results for this committee and your community.

# Ground Rules



- Only one speaker at a time
- Respect the person who is speaking
- Listen with a desire to contribute & learn
- Engage in the ENTIRE meeting

# Q&A Process

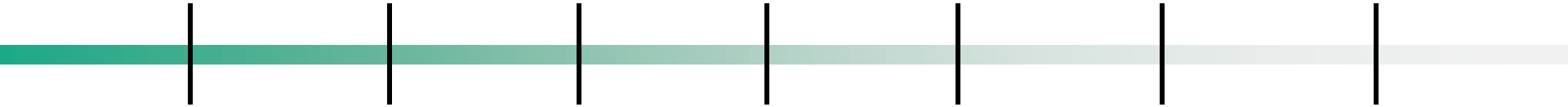
- Each table will discuss the information presented and select one question to ask.
- Unanswered questions or concerns will be placed on the “parking lot” to be answered later via email.

# Meeting Overview

- **Meeting #1 - Oct 7**
  - Welcome & Introductions
  - Committee Charge
  - Norms & Process Review
  - Prior Bond Projects Update
  - School Finance 101
- **Meeting #2 - Oct 28**
  - Program Update: CTE/BCTAL
  - Instructionally Aligned Spaces
  - Facilities Condition Assessment
- **Meeting #3 - Nov 1**
  - **Facility Tours**
- **Meeting #4 - Nov 6**
  - Demographic Report
  - Project Priority Presentation
  - Project Priority Worksheet
- **Meeting #5 - Nov 18**
  - Financial Advisor Presentation
  - Project Priority Worksheet and Table Vote
- **Meeting #6 - Dec 8**
  - Bond Package Development
  - SWOT Analysis regarding potential bond

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# Consensus and Gradients of Agreement . . .



**ENDORSEMENT**

"I like it."

**ENDORSEMENT WITH A MINOR POINT OF CONTENTION**

"Basically, I like it."

**AGREEMENT WITH RESERVATIONS**

"I can live with it."

**ABSTAIN**

"I have no opinion."

**STAND ASIDE**

"I don't like this, but I don't want to hold up the group."

**FORMAL DISAGREEMENT, BUT WILLING TO GO WITH MAJORITY**

"I want my disagreement noted in writing, but I'll support the decision."

**FORMAL DISAGREEMENT, WITH REQUEST TO BE ABSOLVED OF RESPONSIBILITY**

"I don't want to stop anyone else, but I don't want to be involved in implementing it."

**BLOCK**

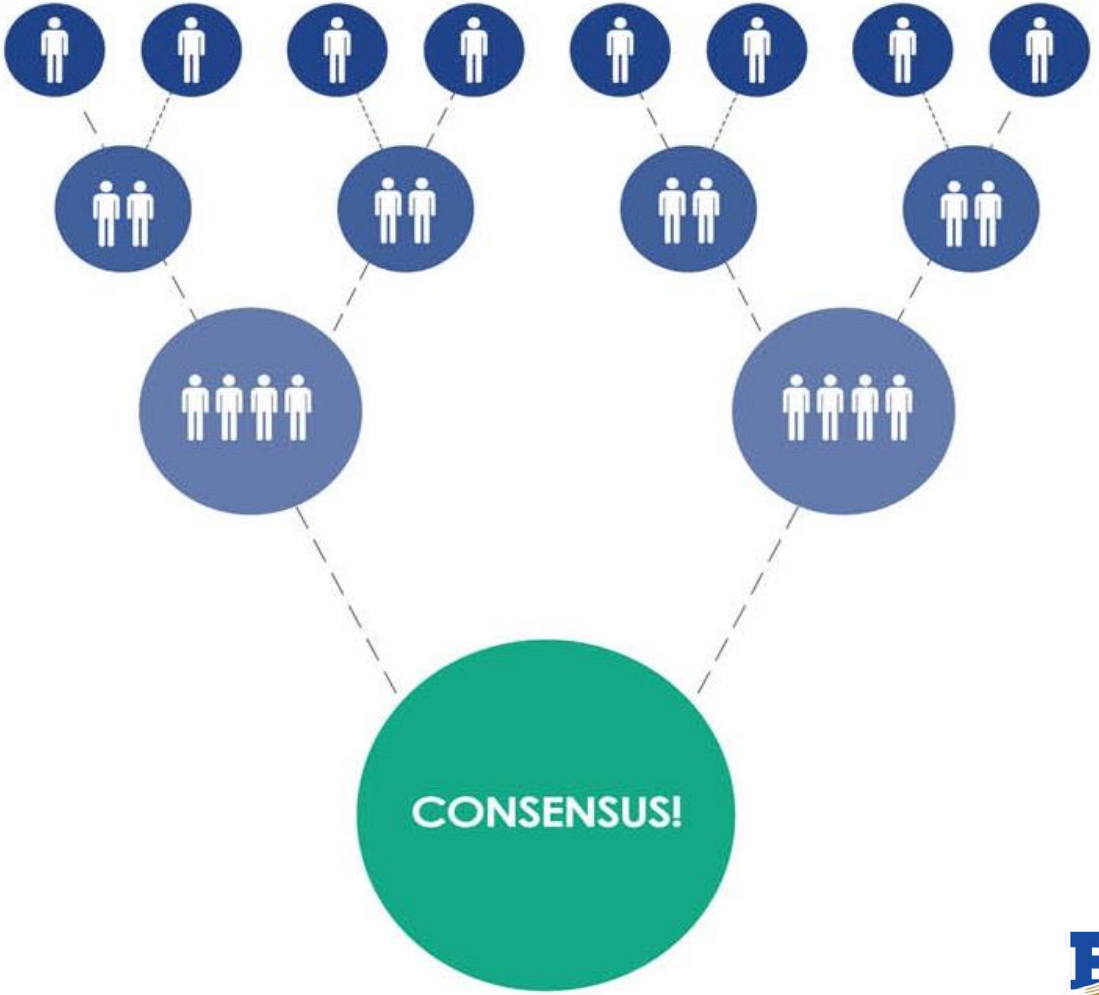
"I veto this proposal."

*This scale makes it easier for participants to be honest. Using it, members can register less-than-whole-hearted support without fearing that their statement will be interpreted as a veto.*

# Dynamics of Group Decision-Making




*The Diamond of Participatory Decision-Making*




# Consensus Building Model

# Birdville

# Center of Technology and Advanced Learning

Career & Technical Education

CCMR
COLLEGE | CAREER | MILITARY READINESS



# Presentation Overview

- Celebration of CTE and BCTAL Success
- A Vision for the Future
- Next Generation Investment in BCTAL
- Challenges & Opportunities














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Career & Technical Education CCMR
COLLEGE | CAREER | MILITARY READINESS




TPSA


5












FORT WORTH STOCK SHOW & RODEO
2024
FORT WORTH STOCK SHOW & RODEO
2024




OpenTable
Culinary Program
BISD











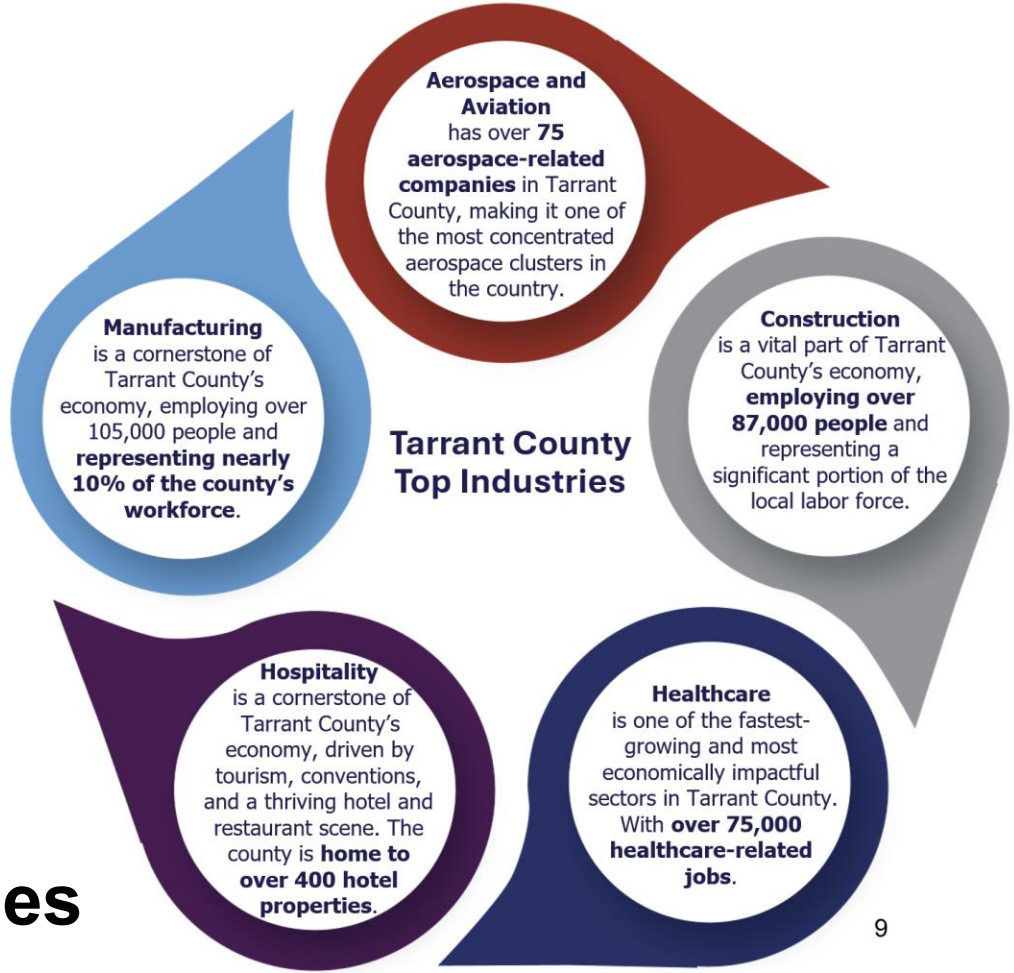

# The Vision for BCTAL

BCTAL Birdville Center of Technology & Advanced Learning
BIRDVILLE INDEPENDENT SCHOOL DISTRICT

**Birdville Center of Technology and Advanced Learning (BCTAL) Began as a state-of-the-art Career and Technical Education (CTE) campus that has remained a symbol of Birdville ISD's commitment to preparing students for success in college, career, and future readiness.**

WORKFORCE SOLUTIONS
FOR TARRANT COUNTY

# TARRANT COUNTY: A VIBRANT GROWING ECONOMIC HUB IN NORTH TEXAS




## Current Top Industries

# Addresses Critical Workforce Needs with Strategic Partners

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Medical City North Hills

TARLETON STATE UNIVERSITY
Member of The Texas A&M University System

Texas Health Resources®

TRIPOLI NORTH TEXAS

TCC Tarrant County College
SUCCESS WITHIN REACH.

Texas Instruments

NORTH CENTRAL TEXAS INTERLINK Est. 1987

HILLWOOD
A PEROT COMPANY®

T3 TARRANT TO & THROUGH PARTNERSHIP

# Next-Generation Investment in Students

**Current and Emerging high-demand and high-wage industries in Tarrant County:**

1) Health Science
2) STEM and Engineering
3) Advanced Manufacturing
4) Aerospace and Aviation
5) Construction Technology
6) Film/Audio Video Production

















BCTAL Birdville Center of Technology & Advanced Learning
BIRDVILLE INDEPENDENT SCHOOL DISTRICT

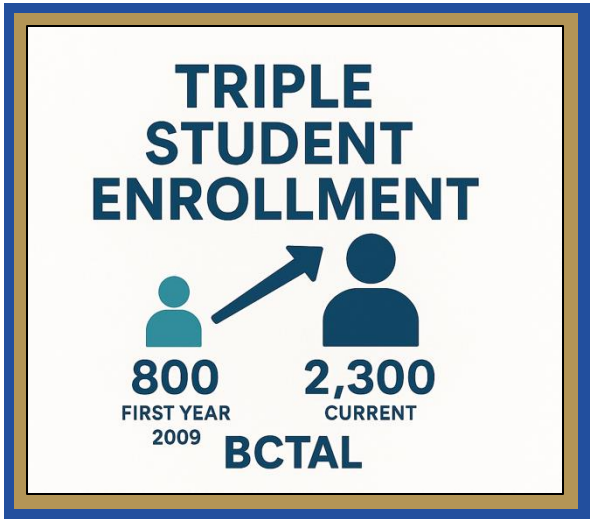
# Current Challenges

BCTAL Birdville Center of Technology & Advanced Learning
BIRDVILLE INDEPENDENT SCHOOL DISTRICT

- **High Demand and Interest = Exponential Growth in Programs**
  - **Results in lack of classroom and lab space**

- **Aging Equipment and Technology**
  - **Available spaces not adequately equipped to support evolving program needs and meet industry standards**

- **Emerging Industries**
  - **New workforce needs**



# Challenge #1:
# Lack of Classroom and Lab Space

With exponential student growth in CTE programs at BCTAL, portables have been utilized to accommodate growth. Additionally, partial and entire programs have been moved out of areas and spaces for which they were originally designed.

- Law and Public Service
- Agriculture Science
- Education and Training
- Health Science
- Audio/Video Production






BCTAL Birdville Center of Technology & Advanced Learning
BIRDVILLE INDEPENDENT SCHOOL DISTRICT

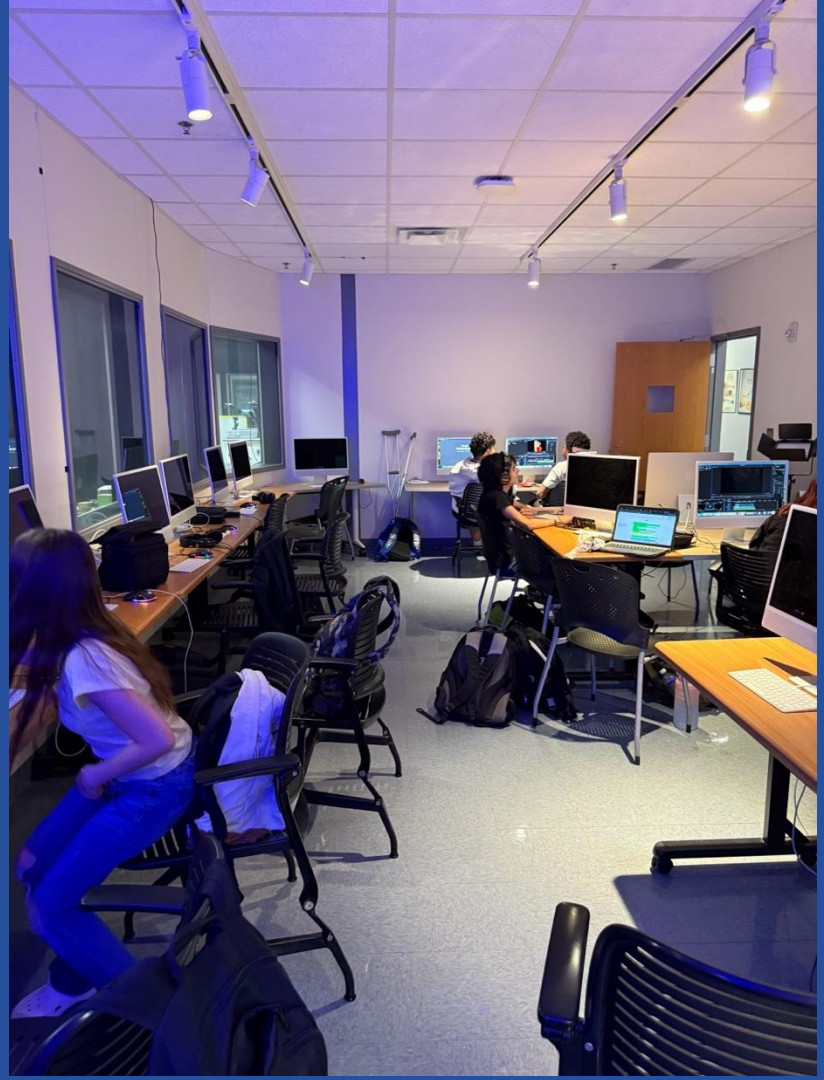

















THE SKELETAL SYSTEM


TEXAS

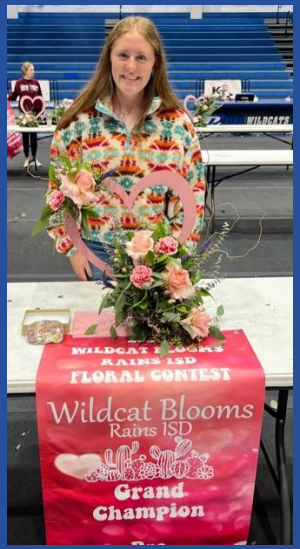

2025
2025
GRAND CHAMPION






TEXAS
BCTAL
FFA


TCJLS


FLORAL CONTEST
Wildcat Blooms
Rains ISD
Grand
Champion

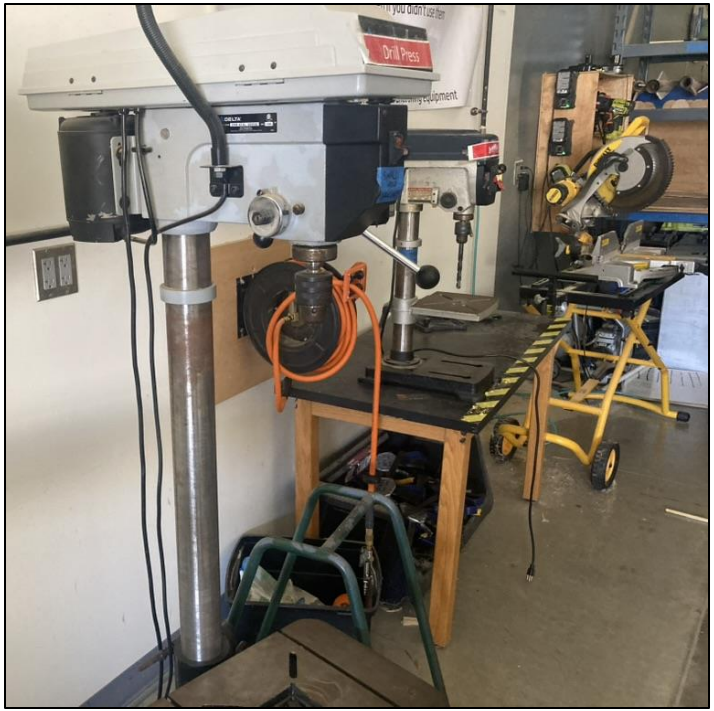


# Challenge #2:
# Aging Equipment and Technology

With the everchanging technology landscape of industry standards, BCTAL needs upgraded and updated equipment and technology.

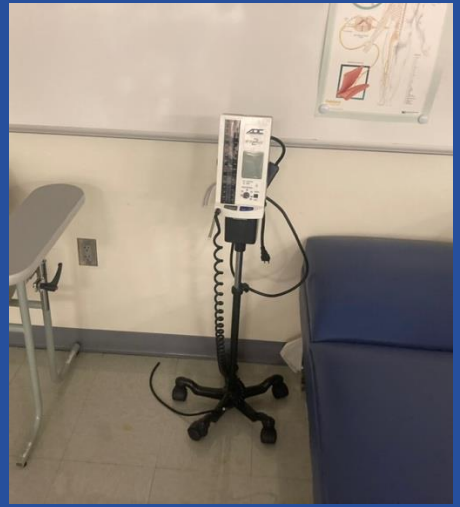
1) Health Science
2) STEM and Engineering
3) Construction Technology
4) Automotive Technology

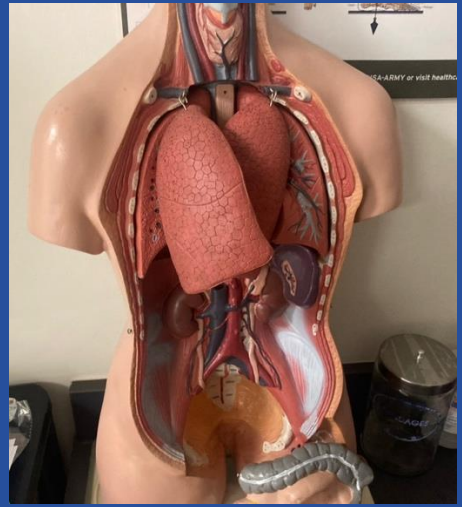





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ACTION

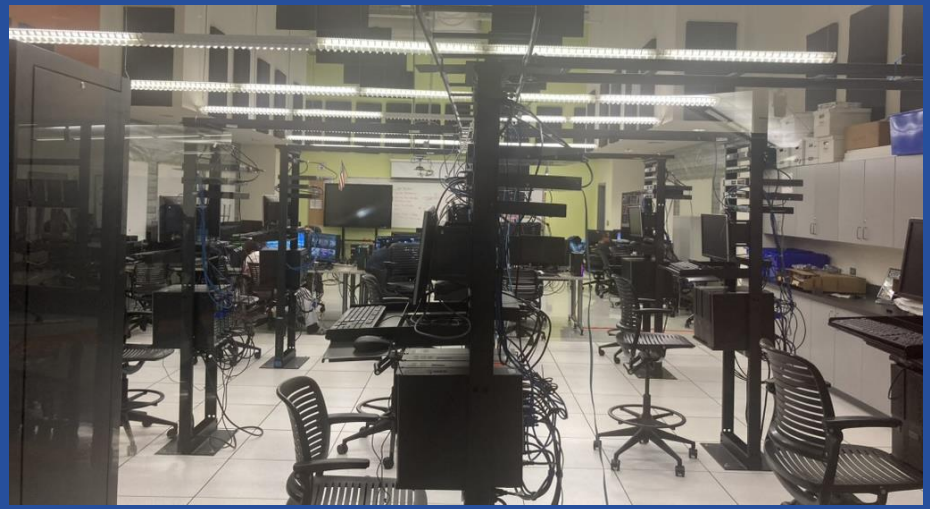


















# Challenge #3: Emerging Industries

New industries bring new opportunities for today's students to prepare for tomorrow's workforce. Birdville ISD is committed to remaining a leader in CTE programming that prepare students for success in college, career, and future readiness.

1) Film/Audio Video Production
2) Advanced Manufacturing
3) Aerospace & Aviation





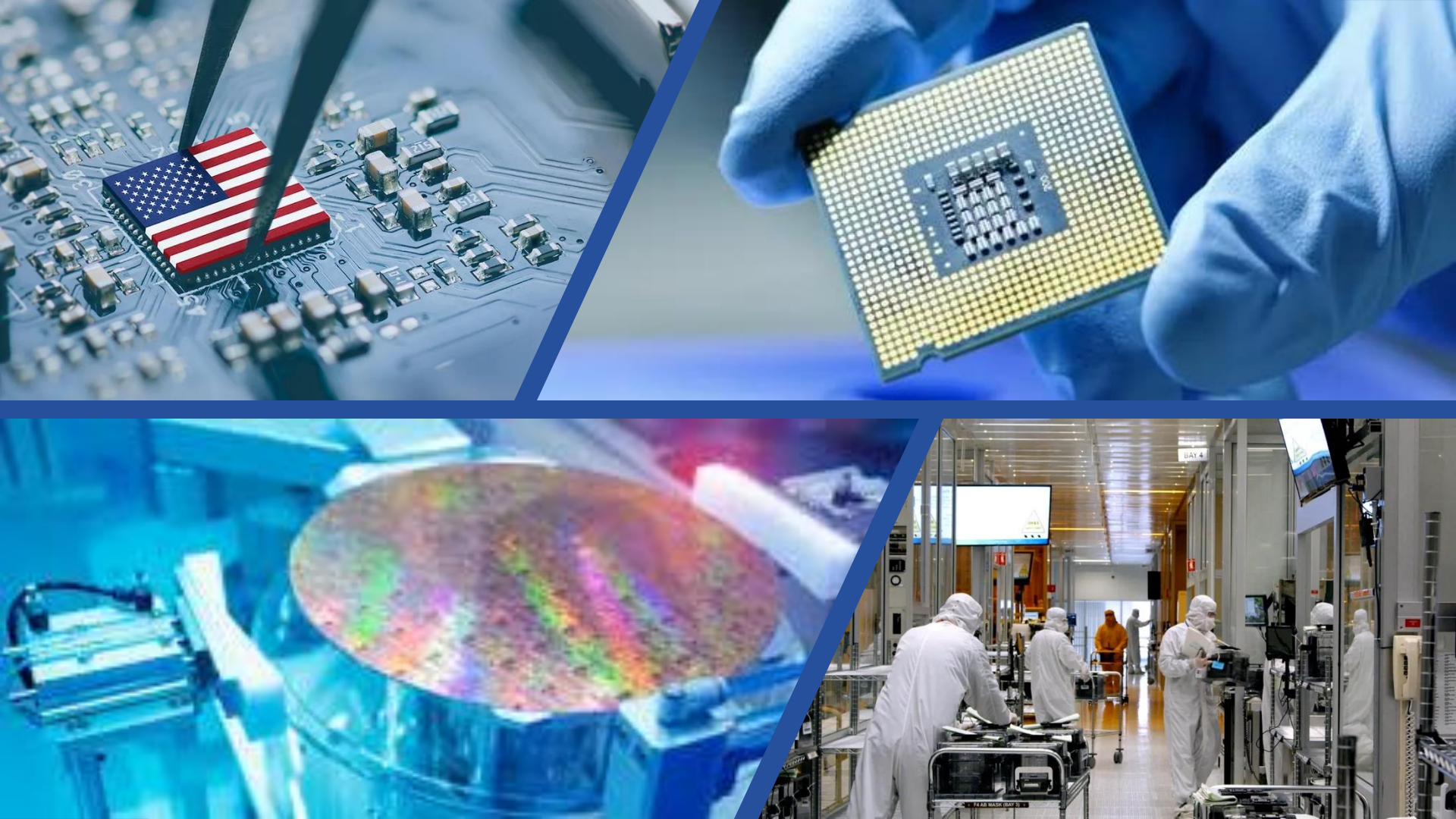




BCTAL Birdville Center of Technology & Advanced Learning
BIRDVILLE INDEPENDENT SCHOOL DISTRICT






BAY 4












CHANGING CAREERS. IMPROVING LIVES






HOT R

# Summary




- **More space needed**
- **Update technology and equipment for existing programs**
- **Support emerging industries: Film/Audio Video Production, Advanced Manufacturing, and Aerospace/Aviation**




Empowered Learner

Responsible Citizen

Global Competitor

Innovative Entrepreneur

# Portrait of a Graduate

College Ready • Workplace Ready • Future Ready

# Table Talk

## Q&A Process

# Instructionally Aligned Spaces

VLK

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# VLK: Who We Are



**Dr. Dalane Bouillion**
**Chief Development Officer**
**VLK Architects**

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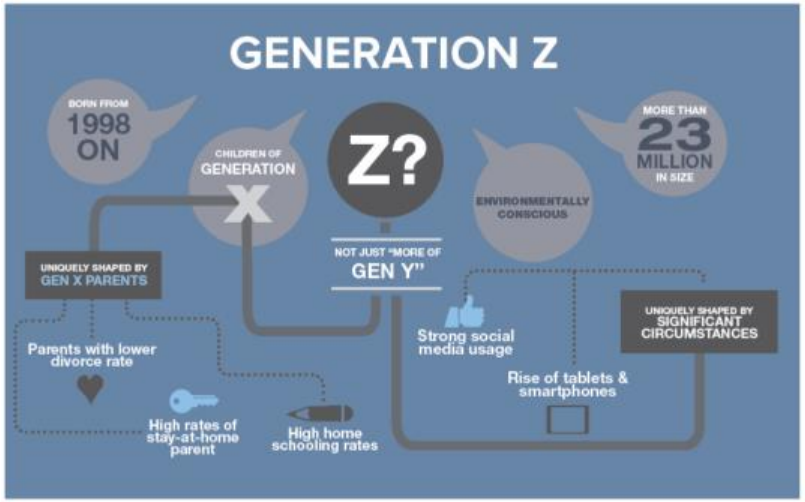

# “FORWARD THINKING”




"FUTURE-FOCUSED SCHOOL DISTRICT"


"ENHANCED LEARNING
THROUGH DESIGN"

# VLK ORIGINAL RESEARCH

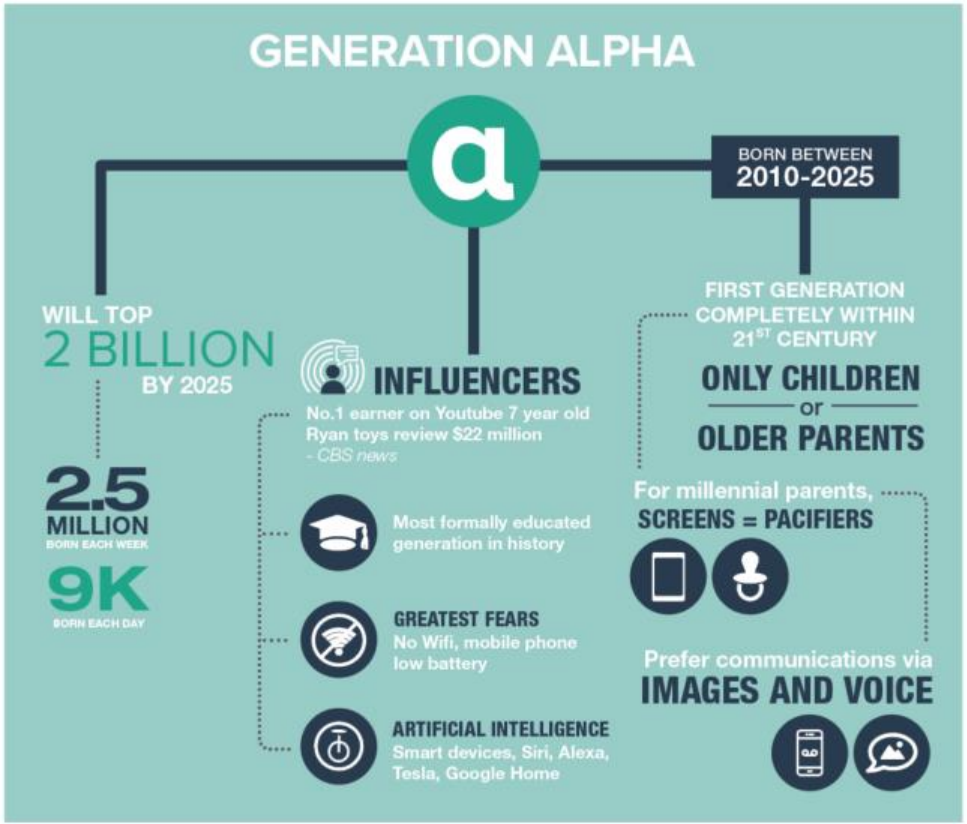



## CORE CHANGES

**ELEMENTARY SCHOOL CHILDREN**
move from their egocentrism and develop language structure in order to begin to communicate logical thinking. They struggle with the abstract and hypothetical, but begin to wonder how others think and feel.

**MIDDLE SCHOOL ADOLESCENTS**
begin to understand abstract ideas. They develop moral philosophies including rights and privileges. They become comfortable establishing and maintaining relationships, and question the values of others.

**HIGH SCHOOL STUDENTS**
begin to find multiple solutions to problems. They use deductive reasoning, and can conceptualize the abstract. They question authority and seek role models while needing structure and craving autonomy.




VLK

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# VLK ORIGINAL RESEARCH
## UNIQUE EXPERTISE

*The Impact of Learning Environments on Student Engagement*

*Collaboration Spaces and Middle School Students' Engagement in Learning*

*Listening to High School Students: Purposefully-Designed Spaces and the Impact on Students' Engagement in Learning*

*Teacher Efficacy and Intentionally-Designed Learning Spaces*

*Social Emotional Learning Practices and Learning Spaces*

*Teachers' Instructional Decisions and Student Agency in New Purposefully-Designed Learning Spaces*




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# VLK ORIGINAL RESEARCH
## UNIQUE EXPERTISE

# ROOM TO LEARN AND EXPLORE

*"The old school was all dark and gloomy, and I didn't want to go to school. Now, I feel like I want to go to school. I love being in the new building."*

*"We have this new thing; it's called Makerspace. We have all these activities that can help you with your brain. There are blocks, when you're building the blocks, it makes you focus because you have a goal."*




VLK

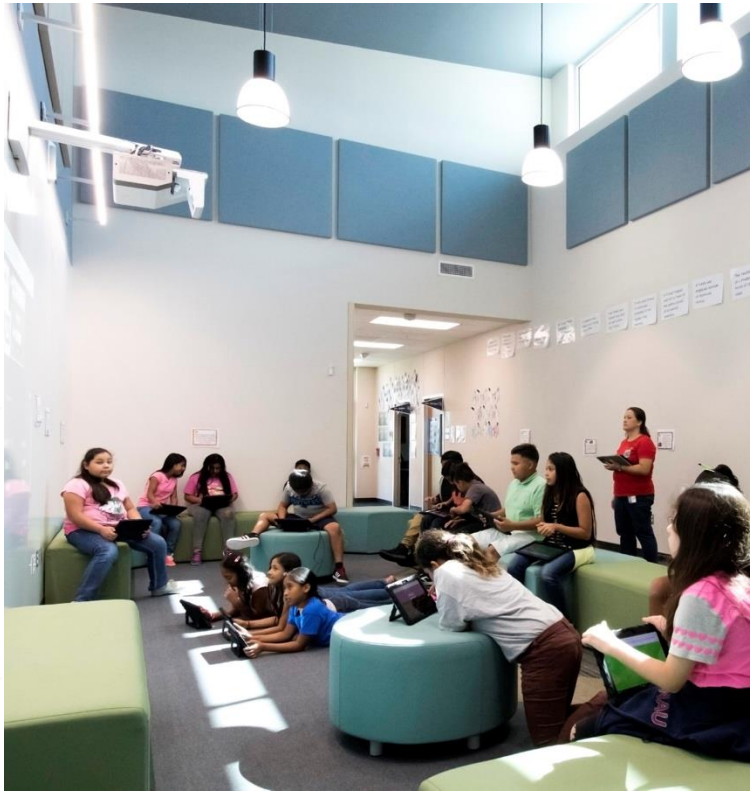
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# VLK ORIGINAL RESEARCH
## UNIQUE EXPERTISE

# ENGAGEMENT IN LEARNING

*"The new building has changed me because I need to work harder. I have more space; I can lay out, put all my stuff on the floor. It helps me."*

*"Days seemed much longer in the old school. Now we are having fun. It goes by quicker. It makes me feel like school is not school, it's fun. We are still learning but it's fun to learn now."*



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# VLK ORIGINAL RESEARCH
## UNIQUE EXPERTISE

### ENGAGEMENT

A flexible space, *"allows a relaxed environment for students to feel a sense of comfort while being engaged in the learning environment."*



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# VLK ORIGINAL RESEARCH
## UNIQUE EXPERTISE

### COLLABORATION

When asked about flexible learning spaces and their ability to support SEL a teacher reported the benefits of the environment by indicating, “[we] can purposefully plan groups/partners to create both academic and social conversations.”

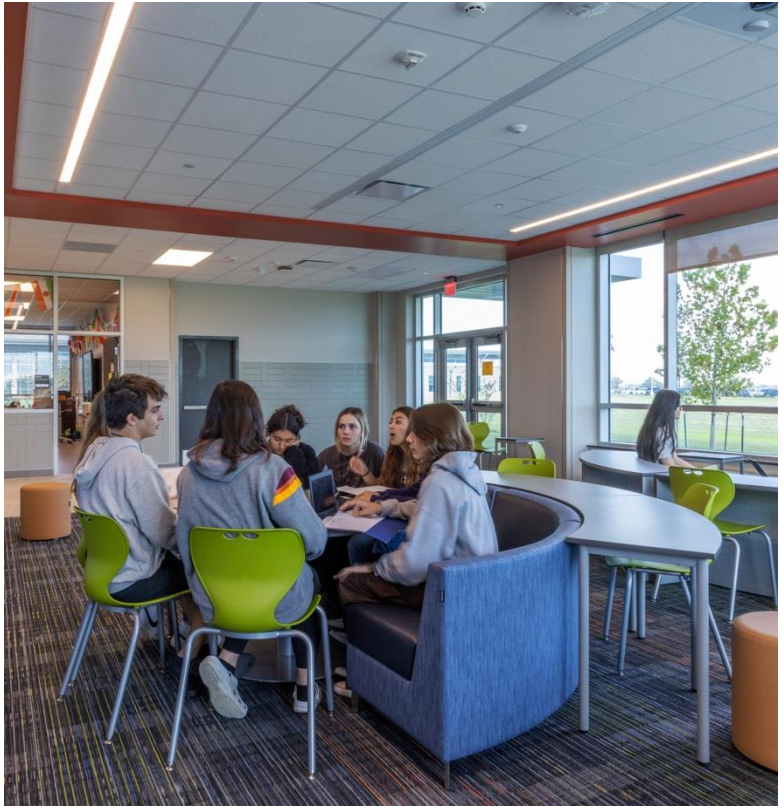


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# VLK ORIGINAL RESEARCH
## UNIQUE EXPERTISE

### CONNECTIVITY

Teachers shared beliefs about how flexible learning spaces support their abilities to promote an inclusive environment. One teacher said, "students learn when they are more emotionally comfortable. This type of space allows students to sit in the proximity to others where they feel they are more safe and this allows them to be able to learn better."



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# VLK ORIGINAL RESEARCH
## UNIQUE EXPERTISE

### VISUAL



- Learns by seeing
- Prefers pictures
- Sits close to visual displays
- Needs to see demonstrations
- Detail-oriented

### AUDITORY

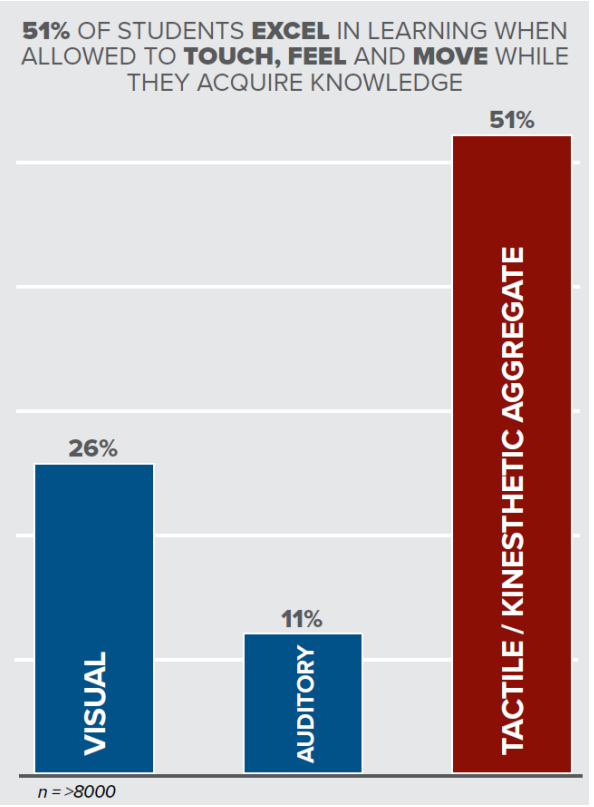


- Learns by hearing
- Prefers group work and collaboration
- Listens to tone of voice, pitch and speed of speech
- Sings/hums while working
- Easily memorizes

### TACTILE/KINESTHETIC



- Learns by touching, experiencing, and manipulating
- Uses hands
- Prefers room to explore
- Needs to build, craft, and use materials
- Likes textures




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# Facilities Condition Report

IN2 ARCHITECTURE

# Facilities Needs Report Presenter



**Irene Nigaglioni**
**President**
**IN2 Architecture**

IN2 ARCHITECTURE

# The Task



**Analysis of the condition of a facility in terms of age, design, construction methods, and materials.**

- Identify district needs per campus and across the district.
- Start with items left over from 2022 Bond.
- Include new initiatives and needs.
- Incorporate new state mandates and codes.

# The Process



## Data Gathering:

- Met with key district personnel to gain insights on goals, educational plan and vision for the district's facilities.
- Issued questionnaires to Principals for campus input.
- Issued questionnaires to Directors for districtwide input.

# The Process: Facility Walkthroughs

**Teams of Architects, Engineers and Specialized Consultants walked every district facility and documented:**

- System Deficiencies
- Code Issues / ADA Compliance Issues
- Lifecycle Replacements
- TEA Compliance
- Programmatic Issues



# The Process: Facility Reports

**Organized by:**

- Campus and/or Facility
- Disciplines and Categories (i.e, Electrical & Exterior Lighting )
- Priority



# The Process: Priority Definitions

**Priority 1** : Critical replacements of equipment & systems (0-5 years); critical programmatic or campus needs

**Priority 2**: Replacements of equipment & systems (5-10 years); programmatic or campus needs

**Priority 3**: Replacements of equipment & systems (10-15 years); programmatic or campus enhancements

**Priority 4**: Replacements of equipment & systems (15+ years)

# The Process: Key Findings

## Major Categories:

- Facility Condition Key Systems
- Possible School or Facility Replacements
- Possible Additions and/or Renovations to existing buildings/facilities.



# Life Expectancy of Systems

**Life expectancy varies by system component, and is affected by:**

- Quality of initial system – installation and materials
- Preventative Maintenance
- Usage
- Outside factors, such as weather

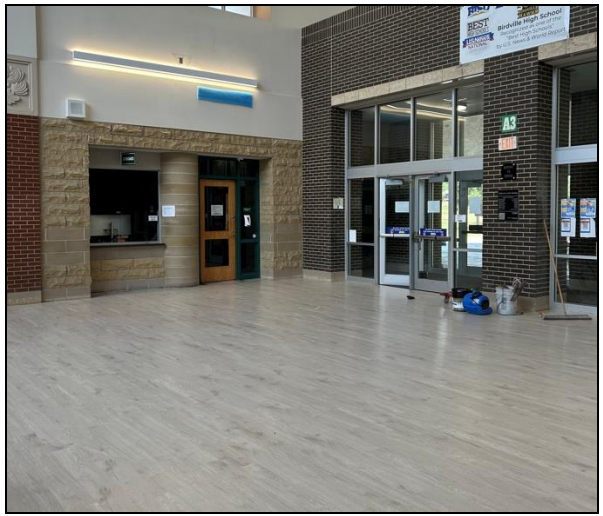
# Life Expectancy of Building Systems

- HVAC: 15-20 years
- Roofing: 15-20 years
- Plumbing 20-40 years, w/ repairs along the way
- Lighting: 20-30 years
- Emergency Lighting: 5-10 years
- Fire Alarms: 10 years
- Brick 75+ years
- Wood doors 35+ years
- Paving 20+ years, w/ repairs along the way
- Flooring 15 – 20 years

# Replacement Approaches

1. **Replace individual systems as they reach or exceed their life expectancy or when they fail.**
   - i.e., Replace flooring in a campus

2. **Replace system and other affected systems of similar age at the same time.***
   - i.e., Replace flooring in a campus as well as repaint and replace furniture



# Facility Condition Key Systems

## PRIORITIES 1 & 2

### Heating, Venting and Air Conditioning (HVAC):

- Roof Top Unit replacements*
- DX System replacements*
- Water Source Heat Pumps
- HVAC Controls



# Facility Condition Key Systems: Electrical/Plumbing

## PRIORITIES 1 & 2

### Electrical:

- Fire Alarm System Replacements*
- Interior Lighting: Fluorescent & HID*
- Exterior Lighting: Non LED
- Electrical distribution systems such as distribution & breaker panels, and switchgear

### Plumbing:

- Kitchen sanitary sewer replacements
- Domestic water line replacements
- Plumbing fixture replacements*

# Facility Condition Key Systems: Roofing/Buildings

## PRIORITIES 1 & 2

### Roofing and Building Enclosure:

- Roof replacements at-or-beyond life expectancy*
- Exterior joint replacements
- Stress cracking
- Drainage/Leaks







# Facility Condition Key Systems: Elevators/Chair Lifts

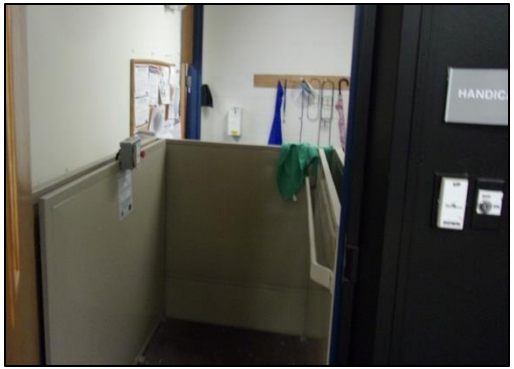
## PRIORITIES 1 & 2

**Elevators and Chair Lifts:**

- Elevator Cab Updates
- Chair lift replacements
- Cab leveling issues
- Pit upgrades





# Facility Condition Key Systems: Flooring/Paving

## PRIORITIES 1 & 2

### Flooring and High-Use Area Maintenance:

- Replace all VCT flooring with LVT* for maintenance efficiencies
- Stress cracking / expansion joints
- Bathroom flooring
- Repaint high-use student areas, especially classrooms and hallways*
- Repaint doors and frames

### Paving, Sidewalks, Drainage:

- Paving settlement or heaving.
- Paving replacements
- Drainage issues





# Facility Condition Key Systems: Furniture/Bleachers

## PRIORITIES 1 & 2

### Furniture and Equipment:



- Replace furniture that is beyond its useful life*
- Replace furniture that limits flexible use*
- Replace equipment that is outdated for its use (re: BCTAL)

### Bleacher Replacements:

- Interior & Exterior Bleachers, including retracting systems.



# Facilities Needs Report

## POSSIBLE REPLACEMENTS ADDITIONS & RENOVATIONS

- **Middle Schools: Opportunities at older campuses**
- **Elementary Schools: Opportunities at older campuses**
- **Support Facilities: Opportunities at older and smaller facilities**

# Possible School or Facility Replacements

## Facility Condition Index



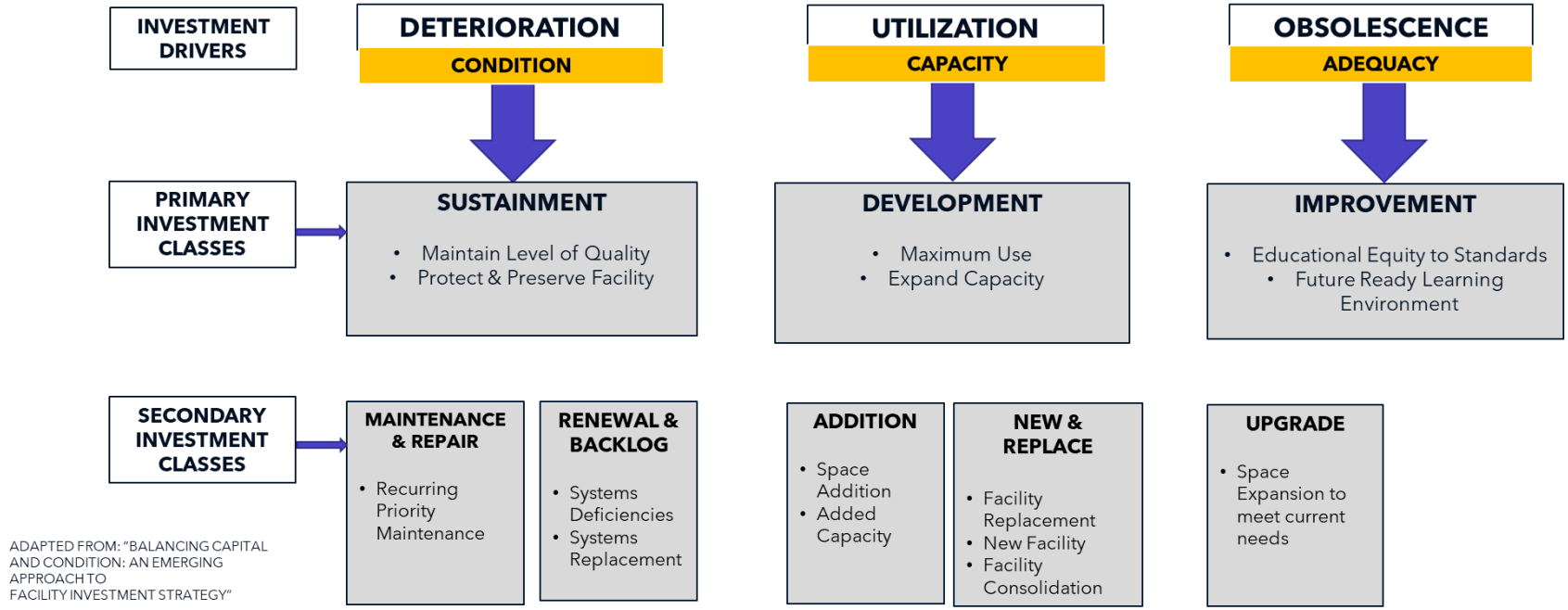
The **facility condition index** (FCI) is used in to provide a benchmark to compare the relative **condition** of a group of **facilities**.

FCI is an industry-standard measurement of a facility's condition that is the ratio of the cost to correct a facility's deficiencies to the
Current Replacement Value (CRV) of the facilities. FCI is typically expressed as a percent.

*For example, an FCI of 50% means that it will cost you 50% of the cost of a new facility to address the deficiencies within it.*

# Facilities Investment Framework

## Facilities Investment Framework




ADAPTED FROM: "BALANCING CAPITAL AND CONDITION: AN EMERGING APPROACH TO FACILITY INVESTMENT STRATEGY"

# Possible Additions or Renovations

## BCTAL

- Built in 2009
- Systems reaching end-of-life:
  - Roofing
  - HVAC
  - Flooring
- Systems with known issues:
  - Roofing
  - HVAC
  - Lighting
  - Equipment/Furniture
  - Technology
- Space:
  - Temporary Buildings
  - Storage Limitations





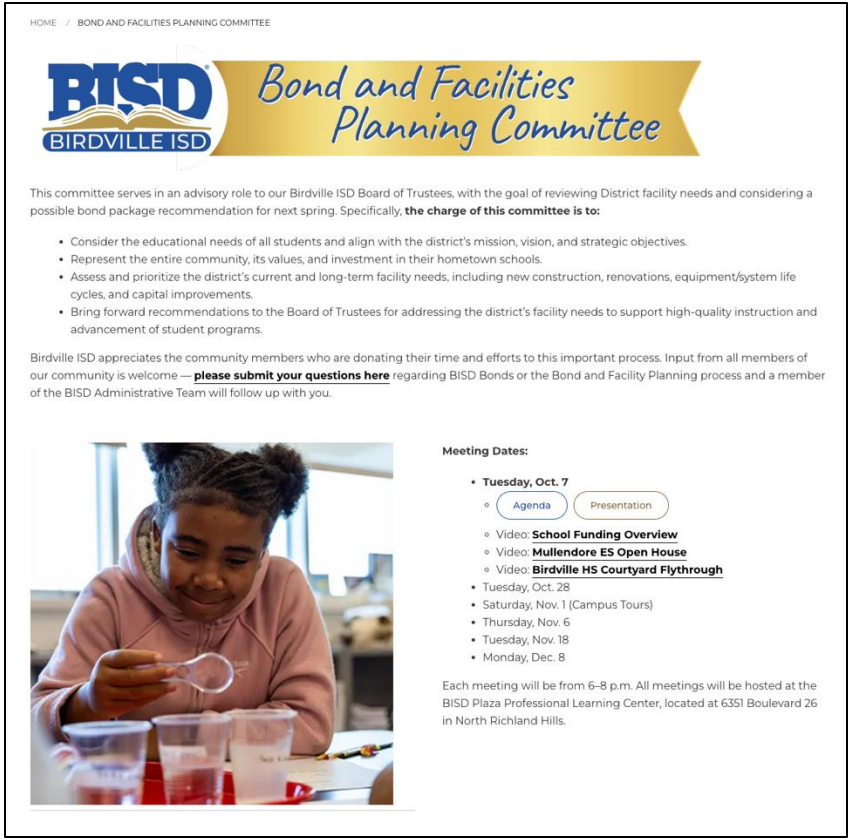
# Table Talk Q&A Process

# Meeting Resources

- Printed Meeting Highlights
- Committee Website

https://birdvillebonds.birdvilleschools.net/25-26-bfpc



HOME / BOND AND FACILITIES PLANNING COMMITTEE

BISD BIRDVILLE ISD

## Bond and Facilities Planning Committee

This committee serves in an advisory role to our Birdville ISD Board of Trustees, with the goal of reviewing District facility needs and considering a possible bond package recommendation for next spring. Specifically, **the charge of this committee is to:**

- Consider the educational needs of all students and align with the district's mission, vision, and strategic objectives.
- Represent the entire community, its values, and investment in their hometown schools.
- Assess and prioritize the district's current and long-term facility needs, including new construction, renovations, equipment/system life cycles, and capital improvements.
- Bring forward recommendations to the Board of Trustees for addressing the district's facility needs to support high-quality instruction and advancement of student programs.

Birdville ISD appreciates the community members who are donating their time and efforts to this important process. Input from all members of our community is welcome — **please submit your questions here** regarding BISD Bonds or the Bond and Facility Planning process and a member of the BISD Administrative Team will follow up with you.



**Meeting Dates:**

- **Tuesday, Oct. 7**
  - Agenda | Presentation
  - Video: **School Funding Overview**
  - Video: **Mullendore ES Open House**
  - Video: **Birdville HS Courtyard Flythrough**
- Tuesday, Oct. 28
- Saturday, Nov. 1 (Campus Tours)
- Thursday, Nov. 6
- Tuesday, Nov. 18
- Monday, Dec. 8

Each meeting will be from 6–8 p.m. All meetings will be hosted at the BISD Plaza Professional Learning Center, located at 6351 Boulevard 26 in North Richland Hills.

BISD THIS IS **MY** BIRDVILLEISD

# Likes & Wishes

**Offer up any Likes and Wishes to assist us in improving each meeting**

# Next Meeting Information

Meeting #3 – Saturday, November 1

Facility Tours

Meet at BCTAL, 8:30 am







BISD
BIRDVILLE ISD











# Thank you!