

CHOOSE *the path* TO AMAZING!



Welcome & Introductions

CFISD Board of Trustees



Julie Hinaman, President
Dr. Cleveland O. Lane, Vice President
Lesley Guilmart, Secretary

Kendra Camarena
Christine Kalmbach
Todd LeCompte
Justin Ray



Volunteers in Public Schools (VIPS) Executive Board 2025 - 2026

Aracely Adams – PTO Presidents' Council

Essence Castro – PTO Presidents' Council

Kim Elliott – PTO Presidents' Council

Tonia Jaeggi – PTO Presidents' Council

Cyndi Matteson – Global Volunteers & Appreciation

Jennifer Moya – Event Planning

Becky Souther – Recognition

Cheryl Tupa – PTO Presidents' Council

David Wallace – SRC & Event Planning

Alice Wimberly – Event Planning





Dr. Meredith Akers

Director,
Virtual Pathways Program

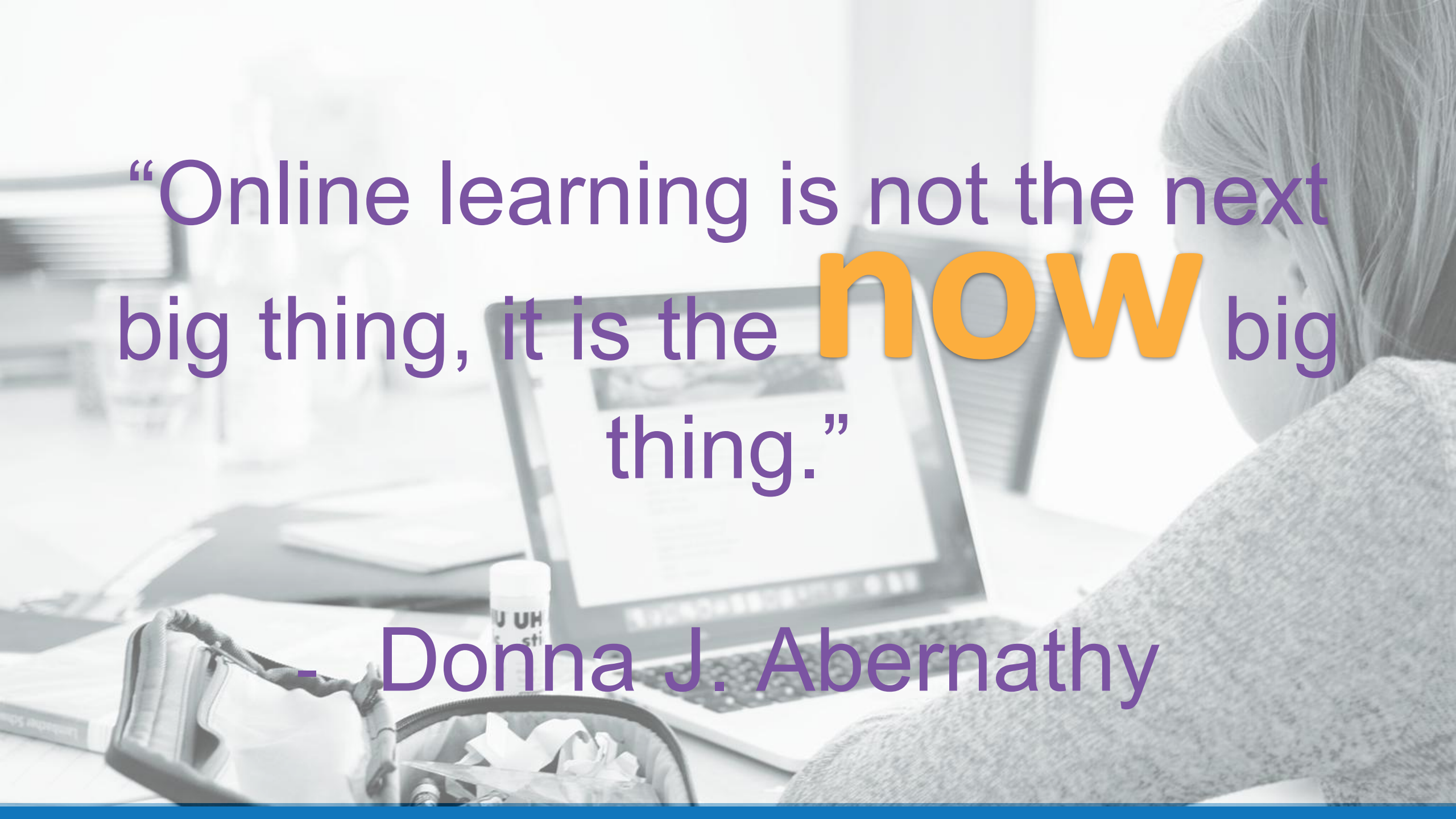
CYPRESS-FAIRBANKS ISD

VIRTUAL PATHWAYS

Flexibility—Options—Opportunity

Dr. Meredith Akers

CYPRESS  FAIRBANKS
INDEPENDENT SCHOOL DISTRICT



“Online learning is not the next
big thing, it is the **now** big
thing.”

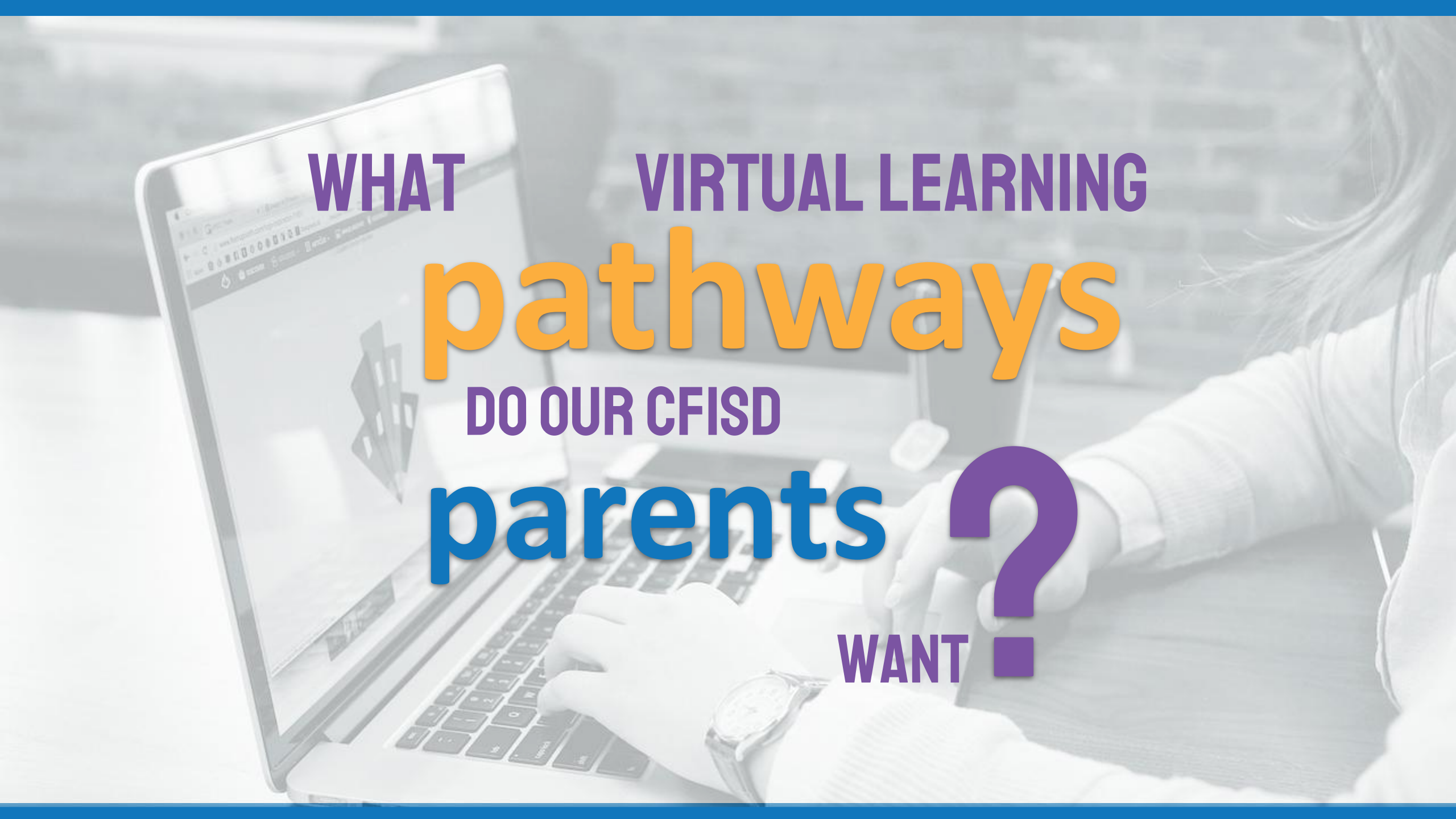
- Donna J. Abernathy

CURRENT VIRTUAL STUDENTS

In the 2024-25 school year 1,112 CFISD resident students attended Virtual Schools (based on our withdrawal data report):

- Elementary – 310 students (27.87%)
- Middle – 287 students (25.81%)
- High School – 515 students (46.32%)



The background is a grayscale photograph of a person's hands typing on a laptop keyboard. The laptop screen shows a web browser with several tabs and a search bar. Overlaid on this image is text in various colors and fonts. The text is arranged in a question format: 'WHAT' and 'VIRTUAL LEARNING' in purple, 'pathways' in large orange, 'DO OUR CFISD' in purple, 'parents' in large blue, a large purple question mark, and 'WANT' in purple with a small square icon below it.

WHAT

VIRTUAL LEARNING

pathways

DO OUR CFISD

parents

?

WANT



SURVEY RESULTS

A survey was sent to parents of all 8th through 11th grade students asking about their interest in Fully Online, Partial-day online, and Supplemental online classes for their child for the 2026-27 school year. The following results include responses from 4,852 parents.

	Fully Online	Flex	Supplemental
Yes, we are definitely interested	20%	39%	37%
Possibly, we would like more information	29%	34%	37%
No, we are not interested in this option	51%	27%	26%

GRADE LEVEL BREAKDOWN

2026-27 Grade Level	Total participants	Answer	Fully Online	Flex	Supplementa l
9th Grade	1,235	Yes	203 - 17%	411 - 34%	450 - 38%
		Maybe	358 - 30%	417 - 35%	464 - 39%
10th Grade	1,347	Yes	272 - 21%	509 - 39%	503 - 39%
		Maybe	398 - 30%	458 - 35%	477 - 37%
11th Grade	1,282	Yes	237- 19%	467 - 37%	459 - 37%
		Maybe	369 - 29%	426 - 34%	453 - 36%
12th Grade	1,030	Yes	426 - 24%	456 - 45%	348- 35%
		Maybe	280 - 28%	327 - 32%	342 - 34%

GRADE LEVEL BREAKDOWN

A survey was sent to parents of all 2nd - 7th grade students asking about their interest in a fully online program for their child for the 2026-27 school year. The following results include responses from 6,757 parents.

2026-27 Grade Level	Total participants	Answer	Fully Online
6th Grade	1,233	Yes	195 - 16%
		Maybe	353 - 30%
7th Grade	1,193	Yes	189 - 16%
		Maybe	368 - 32%
8th Grade	1,214	Yes	188 - 16%
		Maybe	332 - 28%

GRADE LEVEL BREAKDOWN

2026-27 Grade Level	Total participants	Answer	Fully Online
3rd Grade	945	Yes	124 - 14%
		Maybe	228 - 25%
4th Grade	1,066	Yes	153 - 15%
		Maybe	255 - 24%
5th Grade	1,106	Yes	150 - 14%
		Maybe	290 - 27%

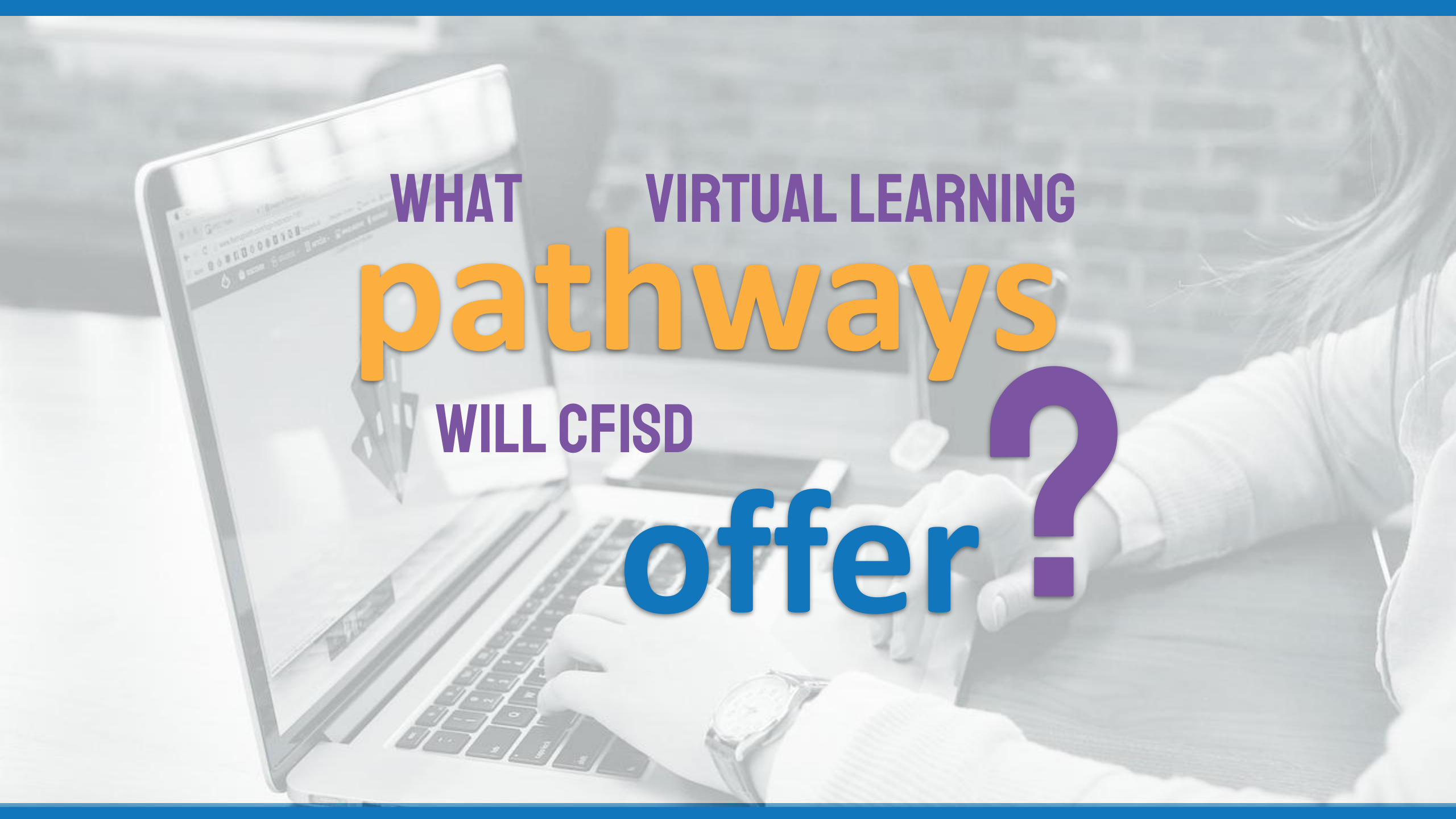
A grayscale background image of a person's hands typing on a laptop keyboard. The person is wearing a white long-sleeved shirt and a wristwatch. The laptop screen shows a web browser with a URL bar and some content. Overlaid on this image is the text 'WHAT grade levels WILL CFISD OFFER virtually?' in various colors and fonts. The word 'WHAT' is in purple, 'grade levels' is in large orange letters, 'WILL CFISD OFFER' is in purple, 'virtually' is in large blue letters, and the question mark is in purple.

WHAT
grade levels
WILL CFISD OFFER
virtually?

GRADE LEVELS

- Based on the results of our survey data as well as the number of students at each grade band that are currently enrolled in virtual schools outside CFISD, we are planning to launch our virtual program for:
 - 9th - 12th Grades, and
 - 4th and 5th Grades
 - With plans to expand the program to serve the remaining grades as interest and enrollment grows



A grayscale background image of a person's hands typing on a laptop keyboard. The person is wearing a light-colored sweater and a watch on their left wrist. The laptop screen shows a web browser with a URL bar and some content. Overlaid on this image is the text 'WHAT VIRTUAL LEARNING pathways WILL CFISD offer?' in various colors and fonts. The word 'pathways' is in a large, bold, orange font. The word 'offer?' is in a large, bold, blue font. The words 'WHAT', 'VIRTUAL LEARNING', and 'WILL CFISD' are in a smaller, bold, purple font. The question mark is also in a large, bold, purple font.

WHAT VIRTUAL LEARNING
pathways
WILL CFISD
offer?



THREE VIRTUAL PATHWAYS

- CFISD Virtual Academy
- CFISD Flex Learning
- CFISD Supplemental Courses

CFISD VIRTUAL ACADEMY

- Purpose: Provides a complete online option for students seeking a non-traditional learning environment
- Primarily asynchronous
- Some set synchronous activities
 - live instruction online with class
 - small group sessions for individualized support



CFISD VIRTUAL ACADEMY

- Functions as a program within CFISD schools
- UIL and extracurriculars
- Available to
 - 9th-12th and
 - 4th and 5th grade
- Planning to expand to middle school in 2027-28 as interest and enrollment grows



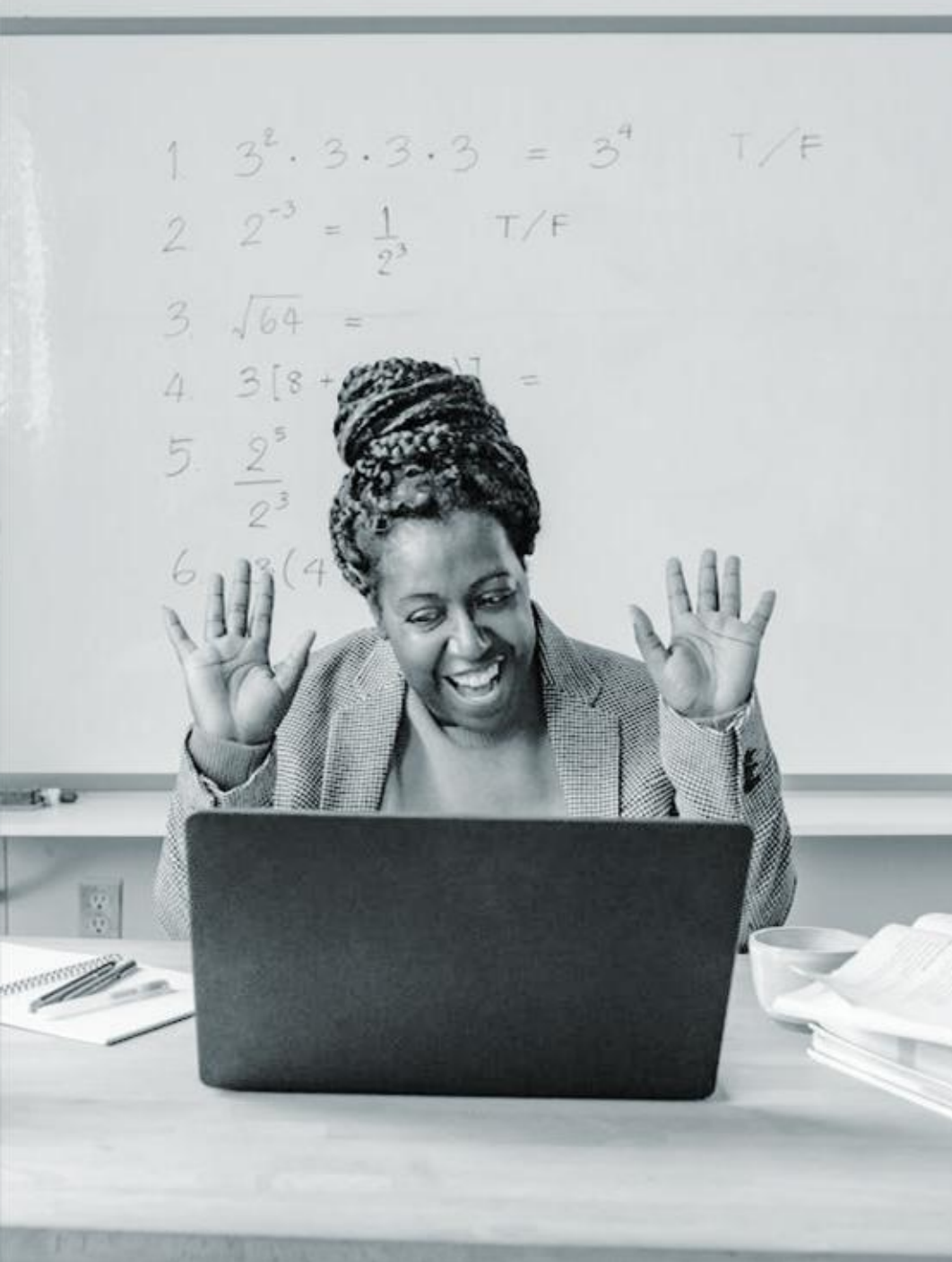
CFISD VIRTUAL ACADEMY

- Course Offerings include all core courses needed to graduate
- Advanced course offerings including K-level, AP, and Dual Credit courses
- Electives and CTE options
- 7 Pathways to earn an endorsement



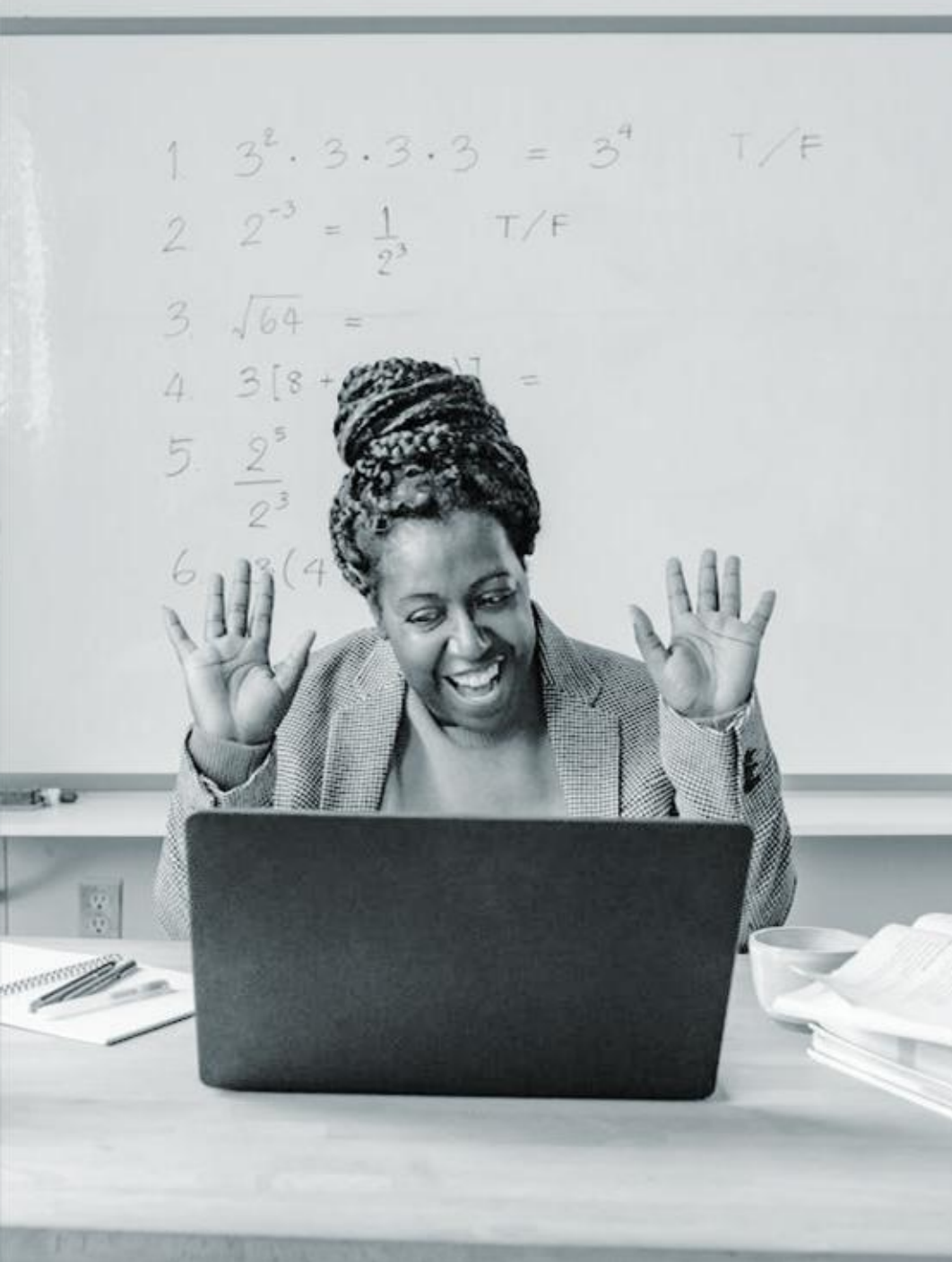
CFISD FLEX LEARNING

- Students spend the majority of their day at their brick-and-mortar CFISD home campus
- Complete 1–2 classes online asynchronously
- Purpose: Offers flexibility for students balancing extracurriculars, jobs, or unique family schedules



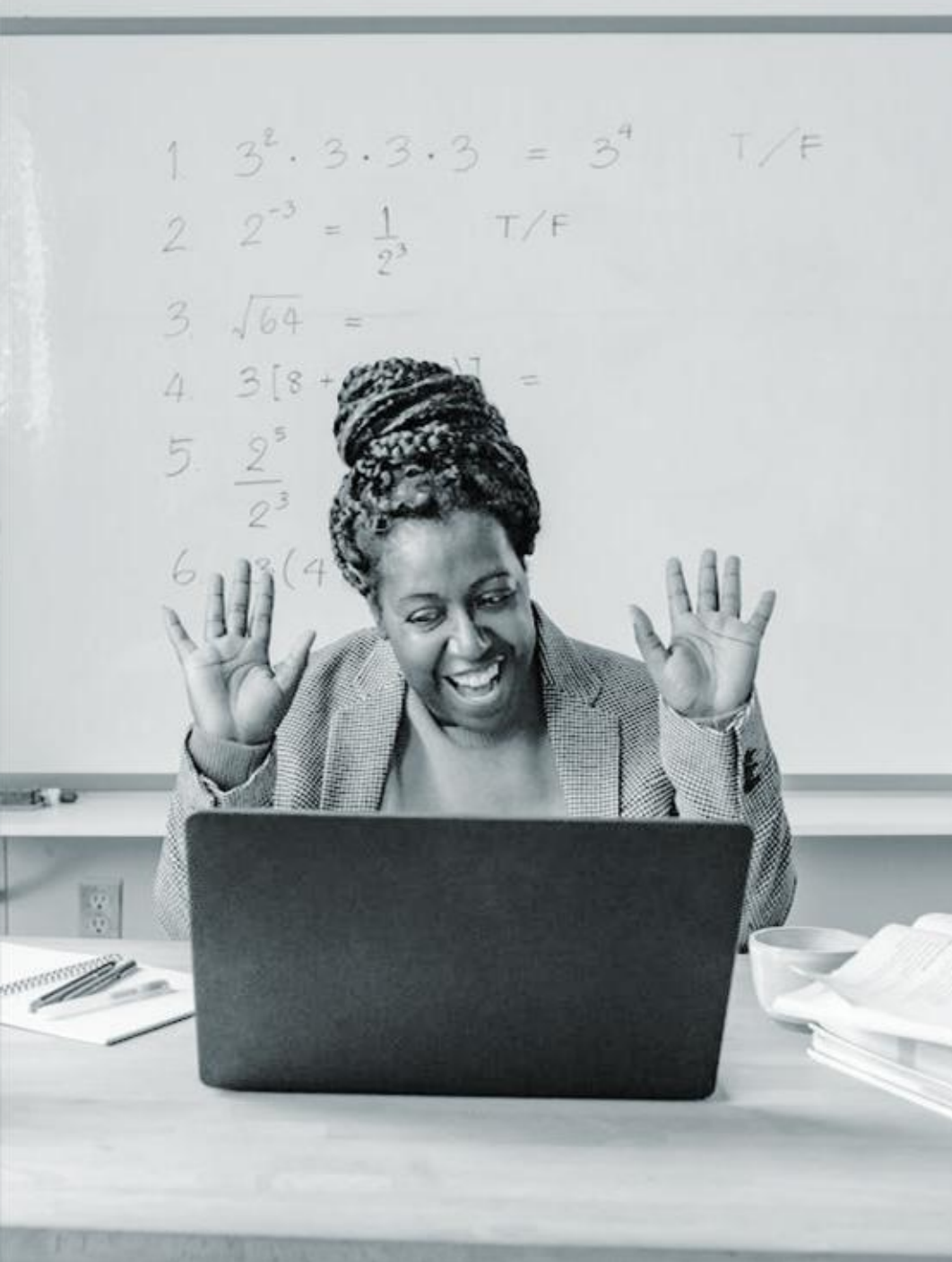
CFISD FLEX LEARNING

- Students arrive late or leave early from their high school campus and complete their online course(s) at the time of their choosing
- Scheduled at the beginning or end of a student's instructional day
- Students complete coursework at the time of their choosing to provide flexibility



CFISD FLEX LEARNING

- Students can choose to stay on campus for their online course(s) and attend a supervised study hall to complete their online coursework
- Can provide access to needed or preferred courses
- Available to 11th and 12th Grade



CFISD SUPPLEMENTAL COURSES

- Online courses taken outside of the scheduled school day
- Purpose: accelerate graduation, make room for an additional elective, or earn credit recovery
- Tuition-based, similar to summer school
- Available to high school students



Proposed Timeline for Rollout

2026-27

Launch CFISD
Virtual Academy
4th-5th, 9th-12th

FLEX Option
For Juniors and
Seniors

Supplemental
Courses

2027-28

Expand Academy to
Middle School Based on
success and interest

Expand Flex Options to
Freshmen and Sophomores
based on success and
interest

Expand Supplemental
Course Offerings

Summer
2028

Offer virtual
summer school
options for HS
students

A grayscale background image showing a person's hands typing on a laptop keyboard. A cup of coffee is visible on the desk to the right. The person is wearing a light-colored sweater and a wristwatch. The text 'initial interest' is overlaid in the center, with 'initial' in orange and 'interest' in blue.

initial
interest



INITIAL INTEREST

- Families interested should fill out the Initial Inquiry form at virtual.cfisd.net
 - This lets the Virtual Pathways staff know of the interest
- Preferred deadline: December 18
- Final deadline for CFISD students: February 16 (as space permits)

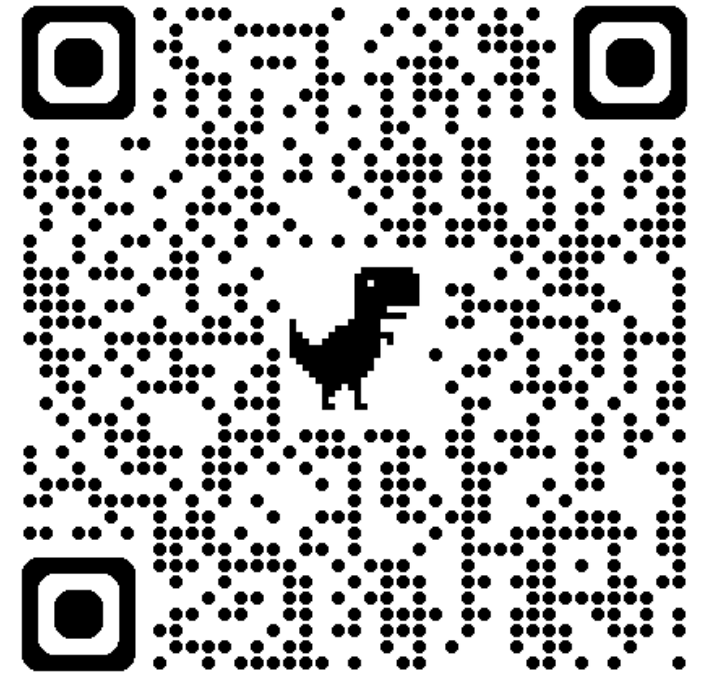


INITIAL INTEREST

- Families outside of CFISD can complete the Initial Inquiry form and enroll in CFISD schools when enrollment opens later this Spring.
- Send all inquiries to:

Virtual.cfisd.net

questions?
concerns?



CYPRESS-FAIRBANKS ISD

VIRTUAL PATHWAYS

Flexibility—Options—Opportunity

Dr. Meredith Akers

CYPRESS  FAIRBANKS
INDEPENDENT SCHOOL DISTRICT



Anya Lucas

Co-Chair,
Long-Range Planning Committee



THE *Roadmap* TO AMAZING!

LONG-RANGE PLANNING
COMMITTEE

DECEMBER 15, 2025

Meeting 5 – Nov. 17

Goal:

- Provide an overview of the facility assessment process
- Provide information on the life cycle of critical infrastructure and security technology
- Identify facility needs projected for the next six years

CRITICAL INFRASTRUCTURE

- ❖ Essential systems that support daily operations, ensure safety, and maintain a functional and resilient environment.
 - Mechanical Systems (HVAC, Elevators, Building Automation Systems)
 - Electrical Systems (Power Distribution, Lighting, Emergency power)
 - Plumbing Systems (Water Supply, Wastewater Management, Fire Suppression)
 - Fire and Life-Safety Systems (Fire Alarm, Access Control, Surveillance Systems, Intrusion Detection)

LONG-RANGE PLANNING

❖ 2025 Long-Range Planning

1. Must Do – Legal, safety reasons and critical replacements
(life expectancy 1 to 3 years)
2. Should Do – Curricular, instructional, program needs
and systems replacements
(life expectancy 3 to 6 years)
3. Would Like To Do – Curricular, instructional, program
enhancements and systems replacements
(life expectancy 6 to 10 years)
4. Future Consideration – Not required at this time
(life expectancy 10 plus years)



121 Facilities (19.3 million sq. ft.)

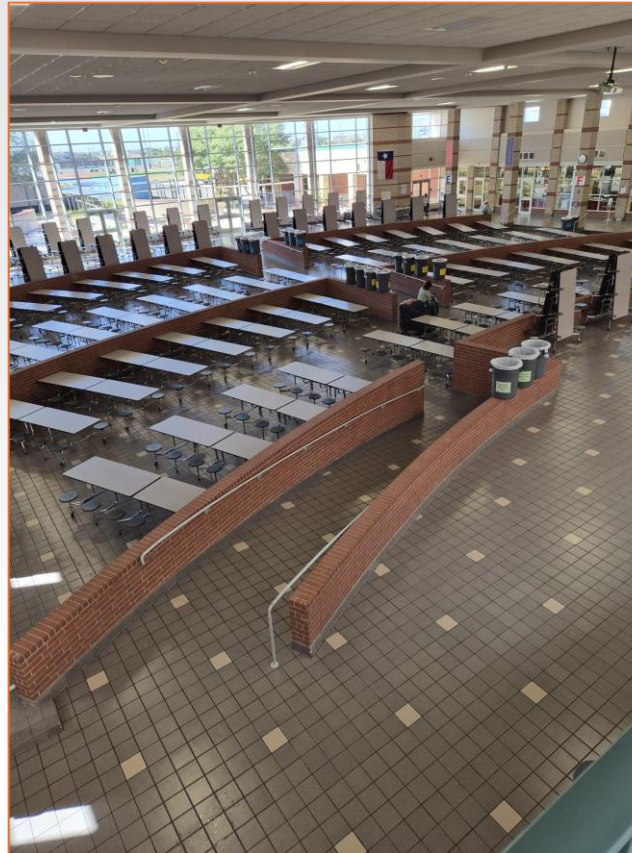
End of Life (EOL)

- Chillers – 62
- Cooling Towers – 45
- Boilers – 62
- Roofs – 55
- Switchgears – 46
- Elevators – 9



Safety & Life-Safety (Code/EOL)

- Fire Alarm
- Fire Sprinkler
- Emergency Generators
- Welding Classroom Exhaust
- Cy Springs Commons
- Bridgeland Bottleneck
- Jersey Village Bottleneck

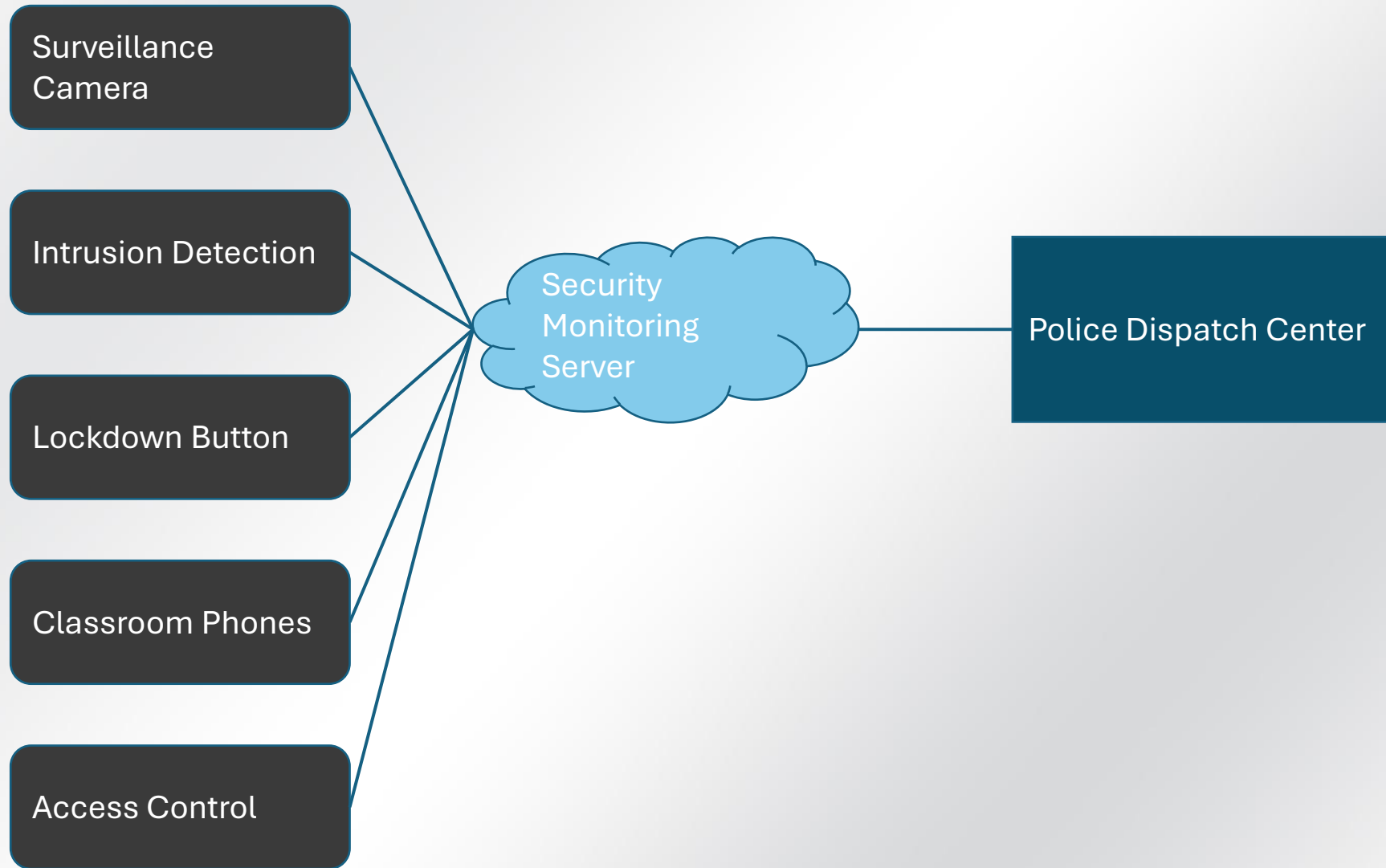


Architectural (Age or Condition)

- Carpet
- Casework
- Elementary Gym Floors
- Furniture Replacement
- High School Auditorium Seating



SECURITY TECHNOLOGY COMMUNICATION FLOW



SECURITY TECHNOLOGY INFRASTRUCTURE



Project Definition

Objective 1: Assess the Current State

Objective 2: Identify Risks and Limitations

Objective 3: Evaluate Modernization Options

Objective 4: Recommend a Roadmap

SECURITY TECHNOLOGY INFRASTRUCTURE



Scope of Evaluation

- ❖ Video Surveillance (servers, cameras, and storage used to monitor campuses and facilities)
- ❖ Access Control (door panels and controllers, card readers, and locking hardware)
- ❖ Intrusion Detection (intrusion monitoring across campuses and support facilities)
- ❖ Bell, Clock, and Public Address (PA) Systems
- ❖ Emergency Communications
- ❖ Network Infrastructure
- ❖ Financial Planning and Lifecycle Management

SECURITY TECHNOLOGY INFRASTRUCTURE



Deliverables

- ❖ Observations - Narrative detailing CFISD's current environment, system configurations, and needs assessment.
- ❖ Detailed options for updated/refreshed security systems/devices.
- ❖ Best practices and recommendations for District-wide standards.
- ❖ Probable cost estimate associated with the recommendations.
- ❖ Detailed recommendations for upgrades with a recommended migration strategy.
- ❖ GANTT chart with a recommended District-wide migration plan/schedule.

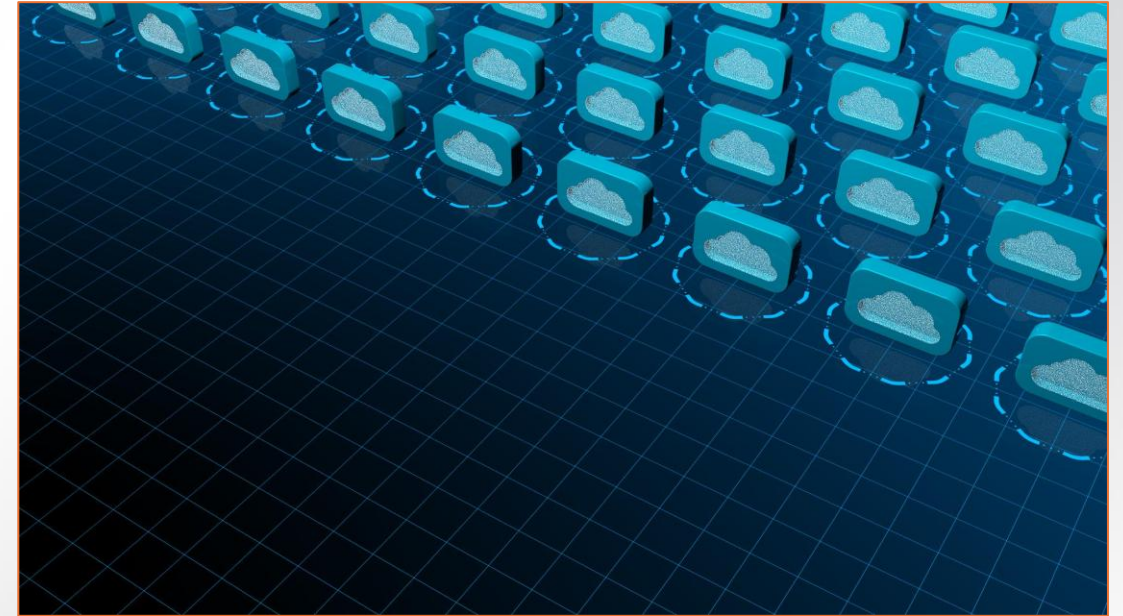
Key Takeaways

Strategic Goal

- Replace end-of-life hardware and stabilize operations.
- Consolidate servers for better security.
- Explore integrated software platforms and hybrid-cloud solutions for scalability and compliance.

Unified System Integration

Integrate systems into one platform, streamlining operations and enhancing safety.



CRITICAL INFRASTRUCTURE

Priority	Current Projected Cost
Priority 1: Critical Infrastructure life cycle by 2029	\$620,128,006
Priority 1: Architectural life cycle by 2029	\$67,361,205
Priority 1: Industrial & Ag Tech Ventilation Improvements	\$12,437,161
Priority 1 Total	\$699,926,372
Priority 2: Critical Infrastructure life cycle by 2032	\$98,614,097
Priority 2 Total	\$98,614,097
Total	\$798,540,469

SECURITY TECHNOLOGY INFRASTRUCTURE

Priority	Current Projected Cost
Priority 1: Security Technology Infrastructure life cycle by 2029	
VMS (Integrated Solution)	\$5,250,000
Servers	\$12,600,000
Cameras	\$25,602,700
Access Control	\$19,074,900
Intrusion Detection	\$12,780,000
PA	\$59,145,161
Total	\$134,452,761

Meeting 6 – Dec. 3

Goal:

- Provide an overview of the technology assessment process
- Provide information on the life cycle of technology infrastructure and all district technology
- Identify technology needs projected for the next six years

Long-Range Planning Committee - Rank the charge

Review and consideration of possible attendance boundary changes to address areas with growth, as well as areas with declining enrollment



1st

Assessment of the critical infrastructure of existing facilities and future needs



2nd

Review of student enrollment and efficiency at each campus



3rd

Assessment of the security infrastructure of existing facilities and future needs



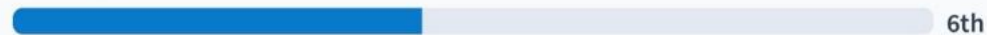
4th

Assessment of technology infrastructure and future needs



5th

Assessment of facility needs as a result of growth in identified areas of the district and areas of declining enrollment



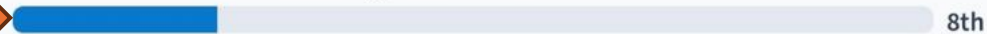
6th

Review of transportation fleet, including buses, police vehicles, and other district vehicles



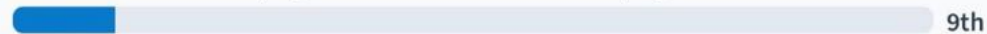
7th

Assessment of instructional technology and future needs



8th

Review of current district programs and identification of future program needs



9th

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TECHNOLOGY LONG-RANGE PLANNING CATEGORIES



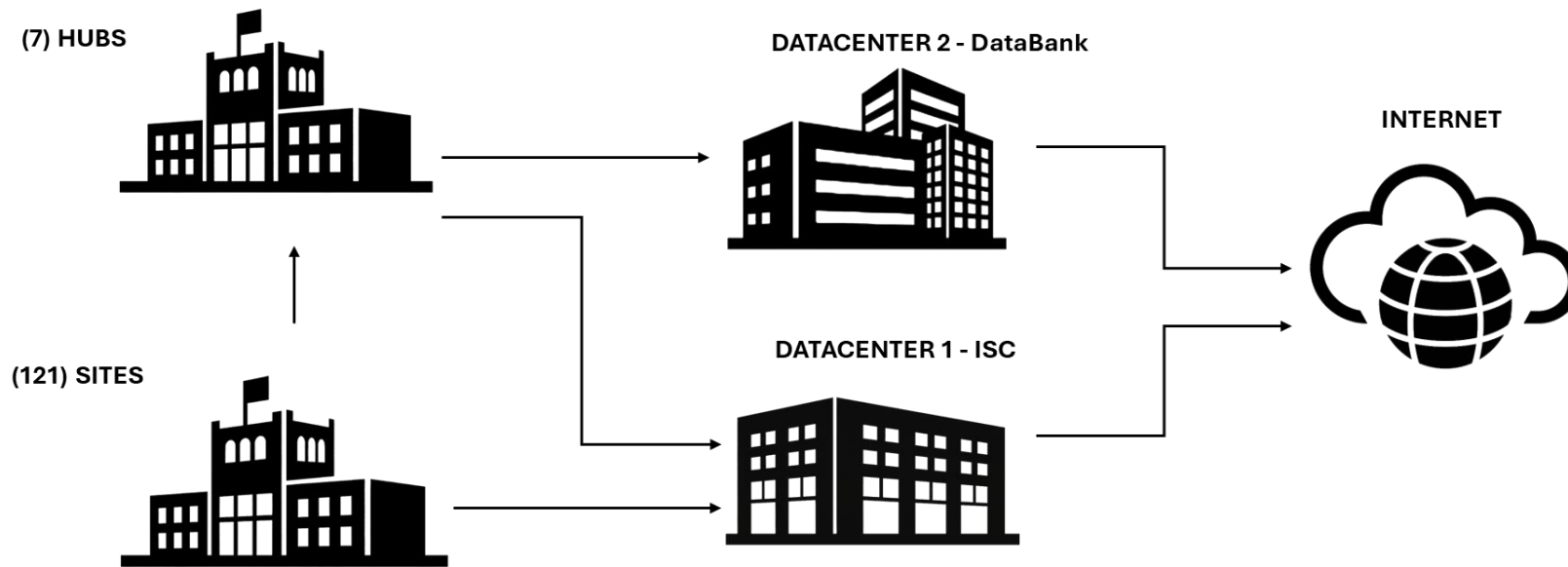
Network Infrastructure

Cybersecurity Defense

District/Campus Technology

NETWORK INFRASTRUCTURE

- ❖ **Datacenters** - Servers, Storage, Load Balancers, Wireless Controllers, Firewalls, Content Filter
- ❖ **Wide Area Network** - HUB Switches, Core Network, Fiber Optic Links
- ❖ **Local Area Network** - Campus Switches, Wireless Access Points, Phones, UPS, Cabling



NETWORK INFRASTRUCTURE NEEDS



**Server
Infrastructure**



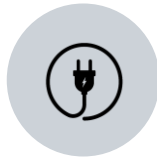
**Telephony
Infrastructure**



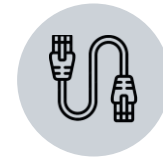
Switches



Wireless



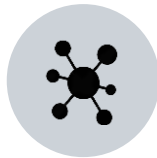
UPS



Cabling



Storage



Core Network



Database



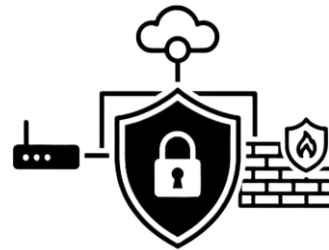
**TECHNOLOGY
SERVICES**

CYBERSECURITY DEFENSE

- ❖ **Endpoint Security** - End Point Detection and Response, Software Updates, and Encryption
- ❖ **Network Security** - Firewalls, Network Detection and Response and Network Access Controls
- ❖ **Data Security** - Training, Password/Multifactor Authentication, Data Privacy and Vendor Compliance



Endpoint Security



Network Security



Data Security



**TECHNOLOGY
SERVICES**

CYBERSECURITY DEFENSE NEEDS



**Next Generation
Firewall**



**Network Access
Control (NAC)**



Content Filter



Data Governance



**Network Detection
and Response**



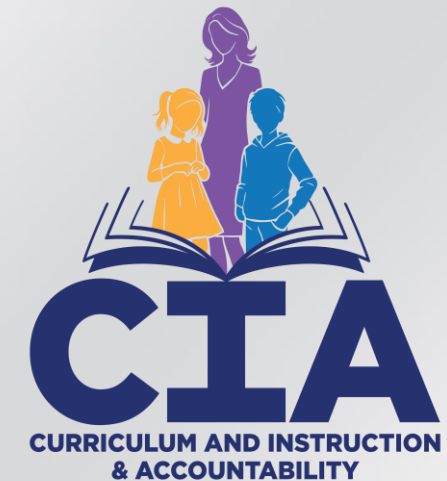
Data Loss Prevention



**TECHNOLOGY
SERVICES**

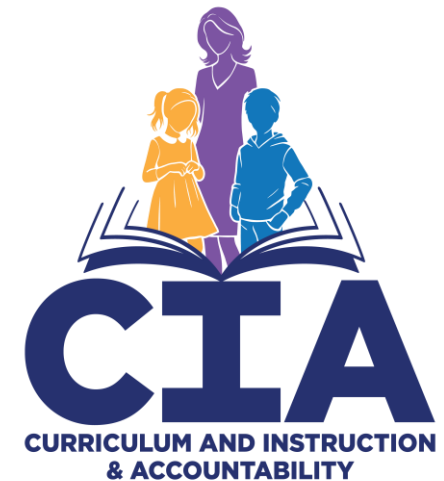
Instructional Technology

- Learn why technology is an integral part of the CFISD classroom.
- Understand what is the standard classroom technology setup.
- Understand the life cycle of classroom and other district technology.



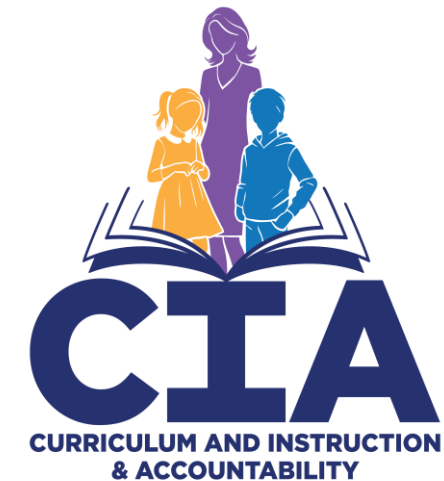
Standard Classroom Technology Today

- Interactive Digital Displays
- Document Cameras
- Teacher Devices
- Audio Enhancement Systems
- Student Devices



CTE & DIGITAL ART & MEDIA

- Audio/Visual Productions
- Drafting
- Business
- Computer Science
- Digital Art & Media
- Photography (Digital)
- Journalism/Yearbook



INSTRUCTIONAL TECHNOLOGY STATISTICS

118,000+	Student Chromebooks
10,000	Teacher Devices
8,000	Interactive Flat Panels
8,000	Classroom Audio
4,980	Advanced Computers Labs
8,400	Document Cameras



TECHNOLOGY LIFE CYCLE

Major Asset Category	Lifecycle Expectation	Replacement Due
Student Chromebooks	5 years	Priority 1 (12 months)
Advanced Computers Labs	5 years	Priority 1 (12 months)
Staff Laptops	5–7 years	Priority 1 (12 months)
Telephones	7–10 years	Priority 1 (24 months)
Classroom Audio	5–7 years	Priority 1 (24 months)
Document Cameras	5–7 years	Priority 1 (24 months)
Network Switches	5–7 years	Priority 2 (36 months)
Wireless Access Points	5–7 years	Priority 2 (36 months)
UPS Units	5–7 years	Priority 2 (36 months)
Network Cabling	15–25 years	Priority 2 (36 months)
Firewalls	5–7 years	Priority 2 (36 months)
Data Loss Prevention Tools	5 years	Priority 2 (36 months)
Audio-Visual Equipment	5–7 years	Priority 2 (36 months)
Interactive Flat Panels	5–7 years	Priority 2 (36 months)
Printers	7–10 years	Priority 2 (Replace when no longer repairable)
Time Clocks	5-7 years	Priority 2 (Replace when no longer repairable)

TECHNOLOGY INFRASTRUCTURE & INSTRUCTIONAL TECHNOLOGY

Priority	Current Projected Cost
Priority 1: Technology Infrastructure life cycle by 2029	\$92,382,357
Priority 1: Cybersecurity Measures life cycle by 2029	\$16,896,816
Priority 1: Instructional Technology life cycle by 2029	\$241,298,772
Priority 1 Total	\$350,577,946
Priority 2: Technology Infrastructure life cycle by 2032	\$83,560,773
Priority 2: Cybersecurity Measures life cycle by 2032	\$4,497,807
Priority 2: Instructional Technology life cycle by 2032	\$22,822,638
Priority 2 Total	\$110,881,218
Total	\$461,459,164

LONG-RANGE PLANNING COMMITTEE

PROCESS	TIMELINE
Discuss the potential financial impact of identified needs and funding options	Wednesday, Jan. 7, 2026
Update Board of Trustees	Monday, Jan. 12, 2026
Prioritize long-term needs	Wednesday, Jan. 14, 2026
Discuss the financial impact of priority needs and finalize recommendation	Wednesday, Jan. 28, 2026
Final Recommendation to Board of Trustees	Thursday, Feb. 5, 2026

Questions



Mentor/ImPACT Tutor training

Thursday, Jan. 15, 2026
9 a.m.

Business Partner Training

Friday, Jan. 16, 2026
9 a.m.



SAVE THE DATE

**SUPERINTENDENT'S
FUN
RUN**

**MARCH 28, 2026
BERRY CENTER**



BENEFITTING THE



CY-FAIR EDUCATIONAL FOUNDATION
Today's Students - Tomorrow's Future

5K • 1-MILE

**70+ VENDOR BOOTHS • STUDENT PERFORMANCES
CHILDREN'S AREA • FOOD TRUCKS • MUSIC**

UNDERWRITTEN BY

**MEMORIAL
HERMANN**
Cypress



Our next Community Connect

**March 26, 2026
9 a.m.**



**SCAN THIS CODE TO SUBMIT YOUR
QUESTIONS OR COMMENTS ON
TODAY'S MEETING.**

