

AUDIO ENHANCEMENT.

FEFPA

Florida Educational Facilities Planners' Association, Inc.

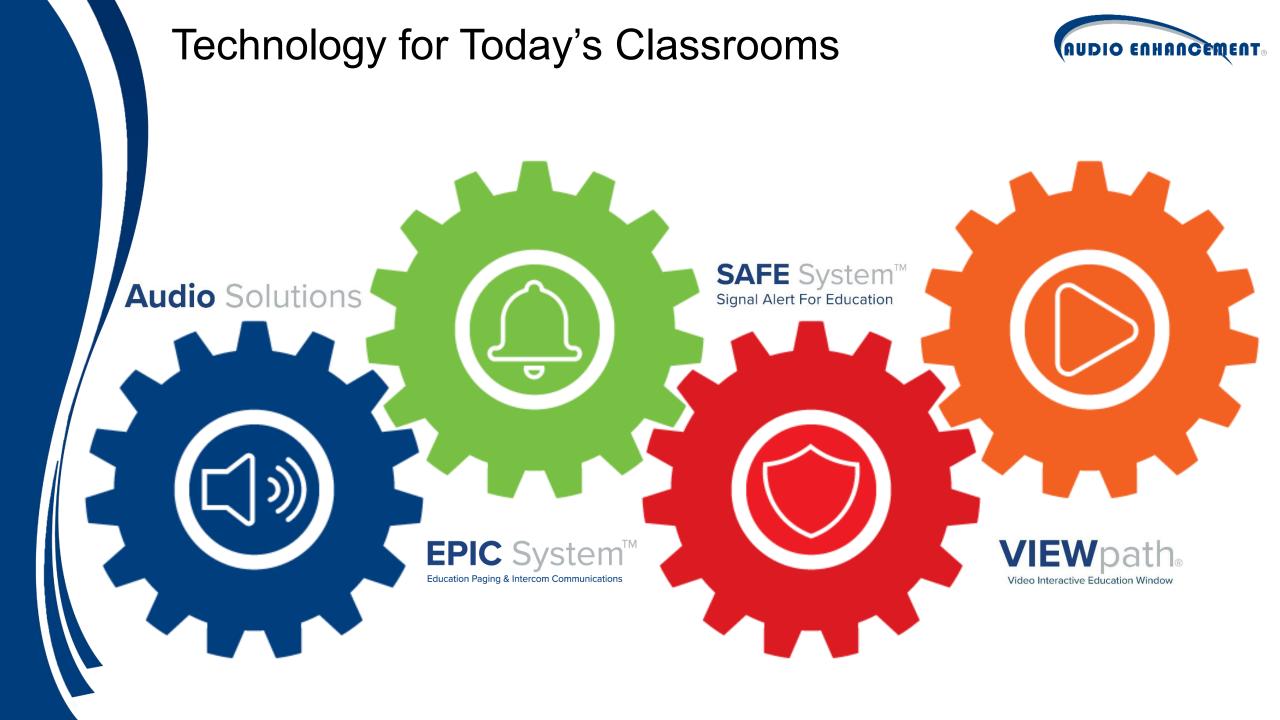
AUDIO ENHANCEMENT®

Audio Enhancement was founded in 1978 by Claudia Anderson with the simple idea that "learning begins with hearing." As the mother of two children with hearing loss, Claudia wanted to provide them with the best education possible. While the first systems were designed specifically for the benefit of children with hearing loss, it quickly became clear that Audio Enhancement would help all students in the classroom by allowing the teacher's voice to be heard clearly.

Today, Audio Enhancement continues to be owned and operated by the Anderson family. Audio Enhancement products improve student achievement, decrease teacher vocal fatigue and absenteeism, influence positive student behavior, and increase focus, attention, and classroom management. Audio Enhancement, Inc. continues to lead the industry with new and innovative solutions.

Audio Enhancement continues to innovate to provide solutions that improve the classroom environment and provide benefits for the entire educational environment and campus.









Audio Solutions

Common Classroom Issues:

- Students off task
- Student engagement and participation
- Students not hearing their instruction clearly
- Teacher vocal strain
- Teachers having to project their voice



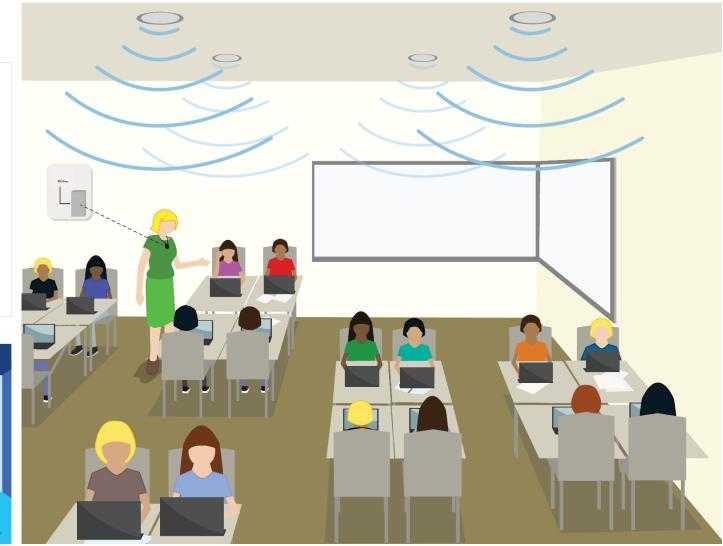
What is Audio Enhancement?

Louder vs. Clearer





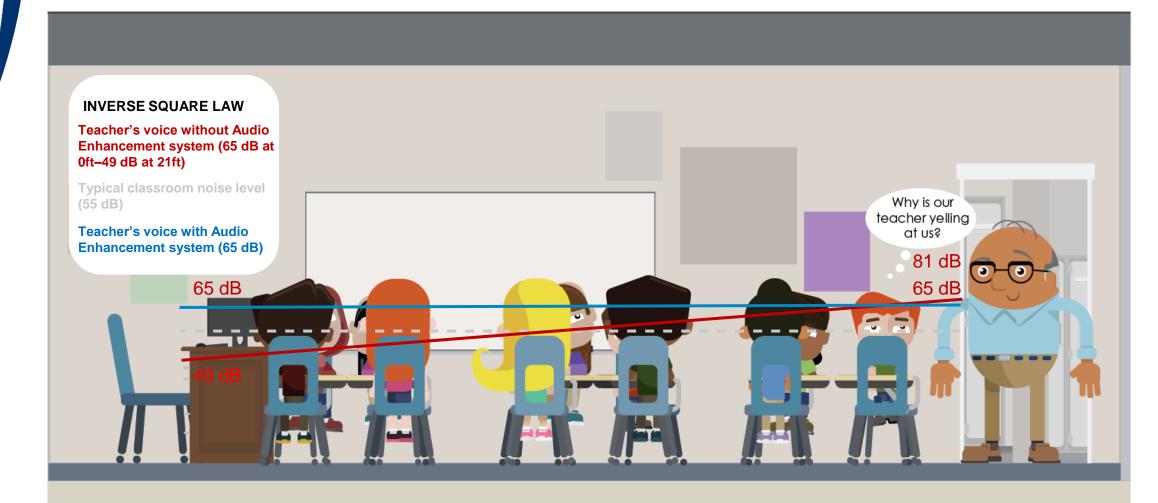
it shouldn't matter **where they sit** in class.





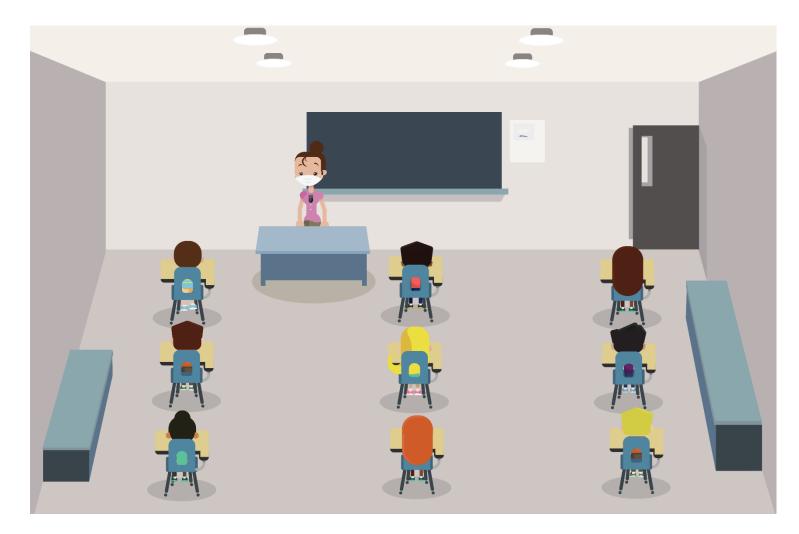
Inverse Square Law Distance Matters: $\Delta dB = 20\log(\frac{d1}{d2})$

Sound DECREASES 6 dB every time the distance is doubled





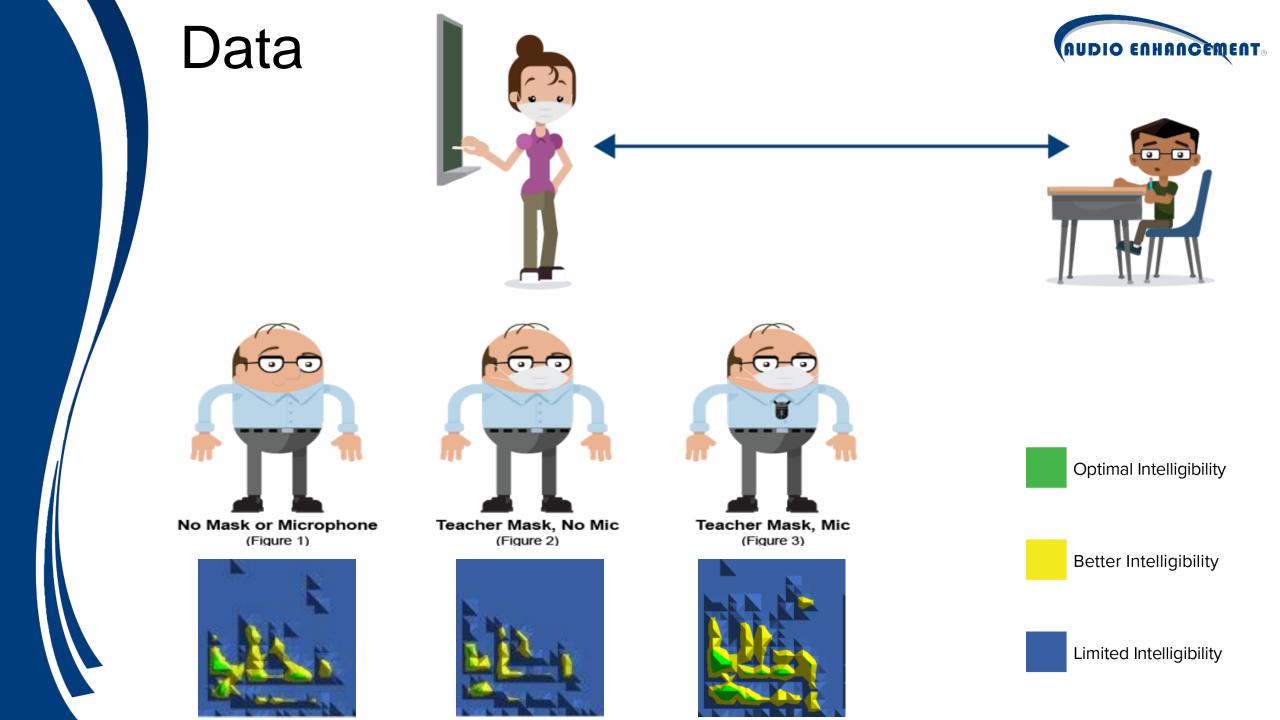
The "Next Normal" Fall 2020?



When schools open again, will teachers be wearing masks? How will that affect students receiving instruction from their teachers?



Teaching with a mask?



Lecture Capture: Learning Podcasts



Recording Type Full desktop with a	audio video	-(REC		♥ LMS Video Recording Parameters	
Class Schedule					Teacher Name Tom Dobson	
ntering your class schedule will cause Audio Enhanceme	nt's Lesson Recorder to automatically	add the Class Nam	to the file	name of		
he recording along with the date and time."					Recording Folder C:\User\tom.dobson\OneDrive - Audio Enhancement\VIEWpath 3.	
Monday Tuesday Wednesday Thur	day Friday Saturday					
Class Name	Start Time	End Time			Screen Source	
	08:00AM	03:13PM	:	+1		
Geography	08:00AM	03:13PM		×		
					Open Recording Folder	



Audio Research Findings

Students in amplified classrooms scored, on average, **10 percent higher** on the Florida Comprehensive Assessment Test than students in classrooms without sound enhancement.

Test Scores

10%

Higher

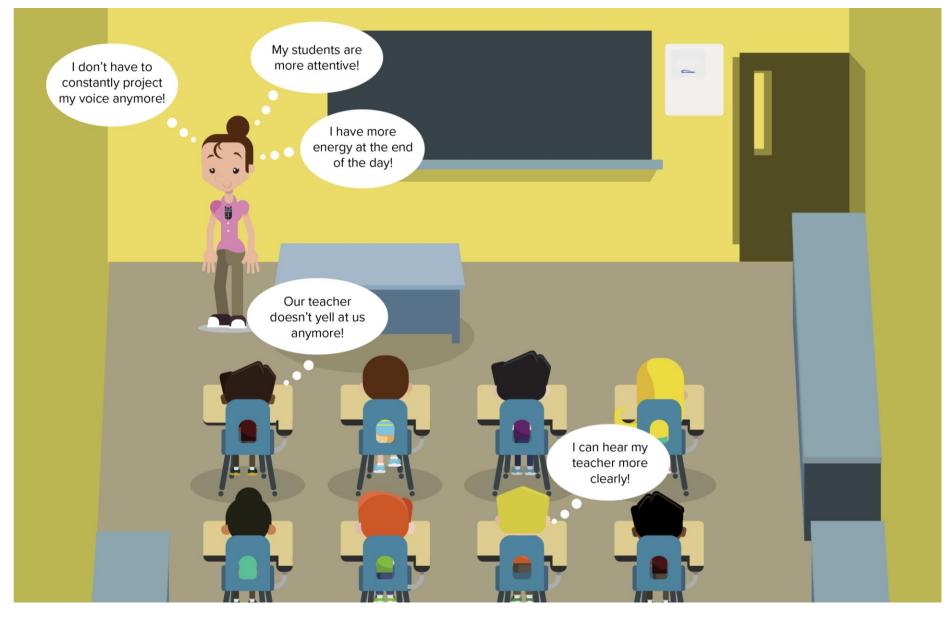
Washoe County School District (Reno, Nevada) found that students' average reading and math **standardized test scores increased** more than the average scores of students districtwide in unamplified classrooms.

17% Increase

Students in amplified elementary classrooms showed an average **17 percent increase** in their overall on-task behavior.

Benefits

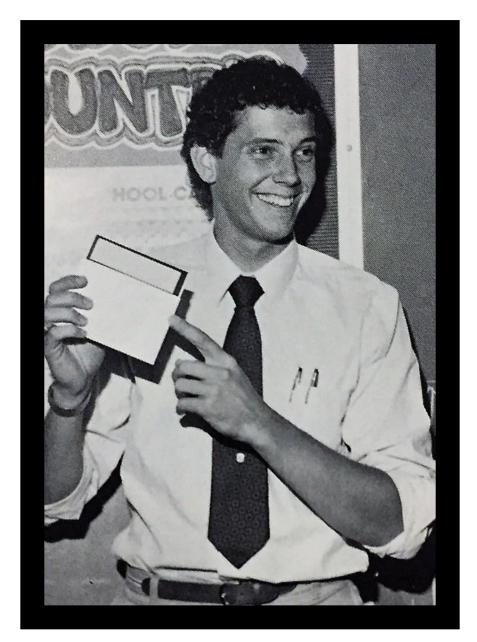






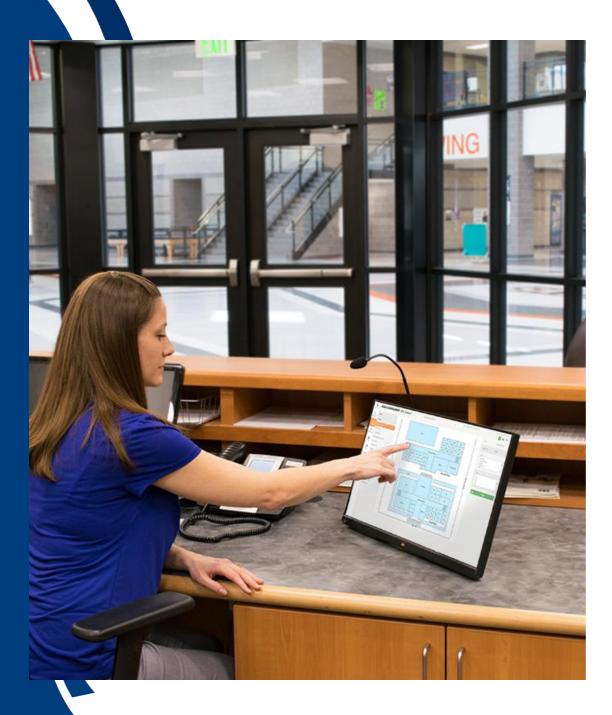


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Palm Beach Gardens Community High School

The Year





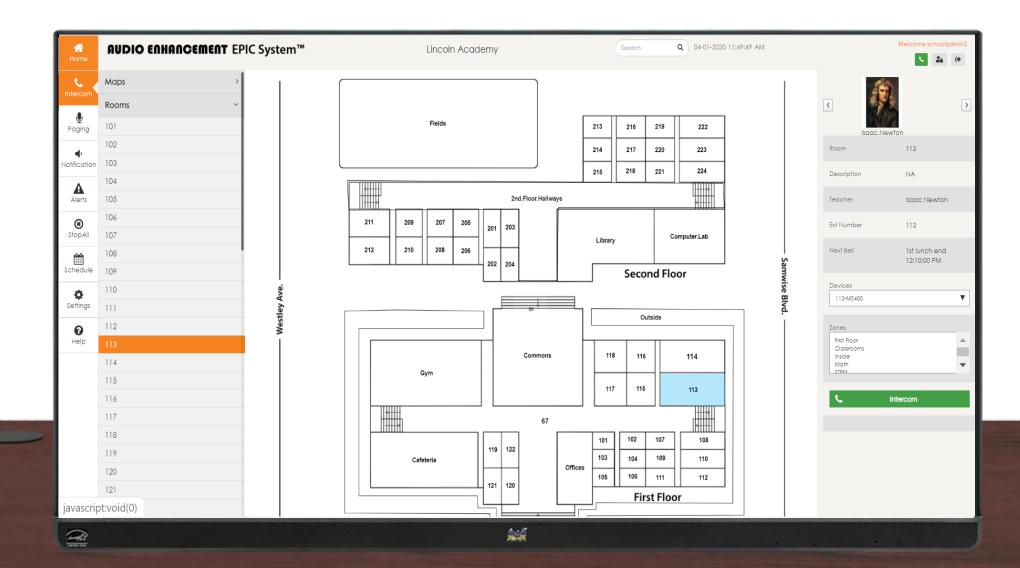
EPIC SystemTM Education Paging & Intercom Communications

Common School Communication Issues

- Integrate all security systems
- School zoning
- Bell scheduling
- Mass communications
- Effective communication



Intercom



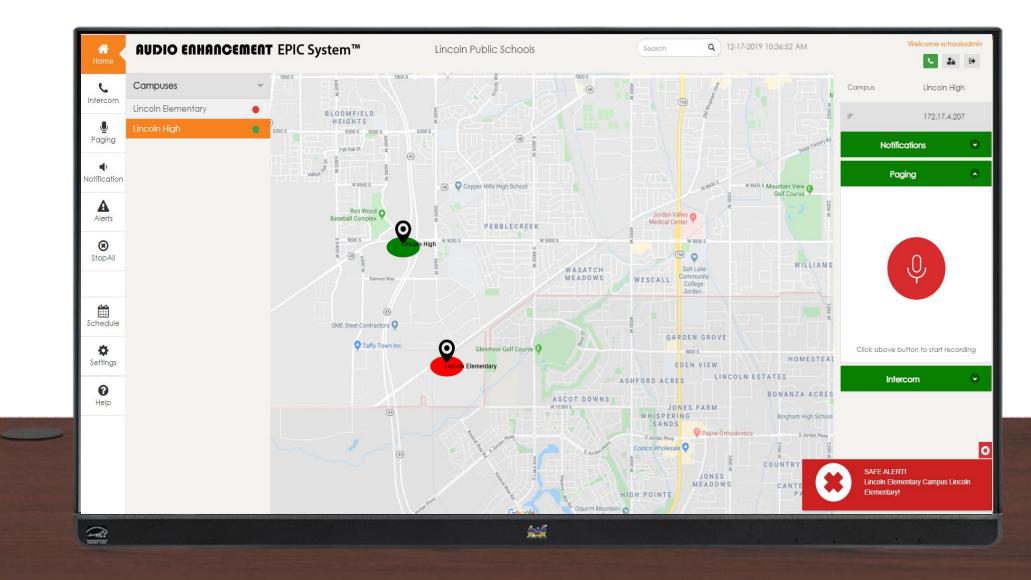


Paging

Home	AUDIO ENHANCEMENT EPIC Syste	m™ Lincoln Academy	Search Q 04-01-2020 11:48:53 AM	Welcome schooladmir
e.	Maps >		Zone	Testing
Intercom	Zones ~		Paging Ext.	5027
₽ Paging	Entire School	Fields	213 216 219 222 Zones	
•	Classrooms		214 217 220 223 NA	
Notification	Elementary Specials		215 218 221 224	
A	First Floor			
Alerts	First Grade	2nd.Floor.Hallways	Rooms	
۲	Inside	211 209 207 205	116	
StopAll	Math		Library Computer.Lab 217 218	
**	Outside	212 210 208 206 202 204		
Schedule	Science Rooms		Second Floor	Page
¢	Second Floor		ise B	
Settings	STEM Testing	59	Outside	
0	Testing			
Help	Vocational	Commons	118 116 114	
	Rooms >	Gym	118 116 114	
		Sym	117 115 113	
		67		
			101 102 107 108	
		Cafeteria 119 122	103 104 109 110	
		Offi	105 106 111 112	
			First Floor	

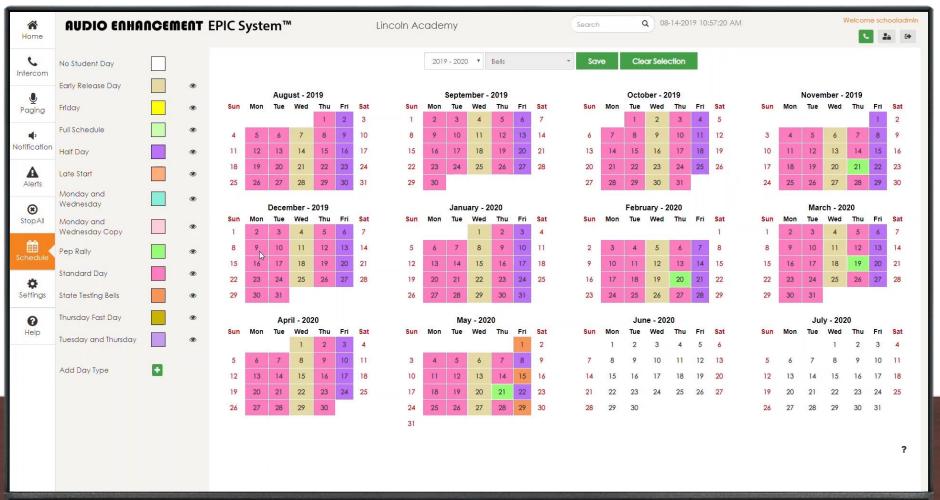


District View - District Paging





Bell Scheduling



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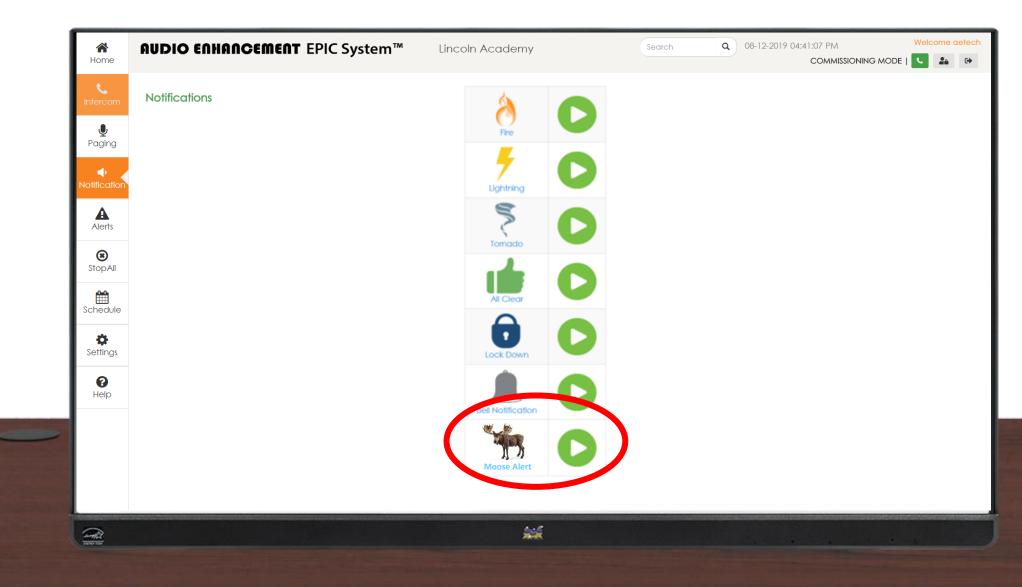


Staggered Start Times

A Home	AUDIO ENHANC	CEWEU	r epic	System™		Lincoln Ac	ademy	Search Q C	04-23-202	20 11:29:50 /	AM					Welcom	ne sch
C Intercom	No Student Day			Full Schedule Copy						×							
L Paging	Friday Full Schedule		۲	Staggered Start Day Bell Schedule				Арріу Сору	De	elete	Sat 5	Sun	Mon		m ber - 20 Wed		Fri 1
Notification	Full Schedule Copy		۲					filter: Select Zones		-	12 19	3 10	4	5 12	6 13	7 14	8 15
A	Home Football Game		۲	Name Group 1 P1 Start	Time 08:00:00 AM	Audio Bell chime	Event scheduleBell	Zones First Floor, First Grade, Inside, Outside, Science Rooms, STEM	Action		26	17 24	18 25	19 26	20 27	21 28	22 29
Alerts	Monday and Wednesday		۲	Group 2 P1 Start	08:30:00 AM	Bell chime	scheduleBell	Classrooms, First Floor, Inside, Outside, Science Rooms, Second Floor	2					Mar	ch - 2020	,	
StopAll	Monday and Wednesday Copy		۲	Group 1 P1 End	08:45:00 AM	Bell chime	scheduleBell	Classrooms,First Floor,Inside,Outside,Science Rooms,Second Floor	2	٥	Sat 1	Sun 1	Mon 2	Tue 3	Wed 4	Thu 5	Fri 6
Schedule	Morning Assembly Pep Rally		۲	Group 1 P2 Start	08:50:00 AM	Bell chime	scheduleBell	Classrooms,First Floor,Outside,Science Rooms,Second Floor	2		8 15	8 15	9 16	10 17	11 18	12 19	13 20
Settings	Snow Day		۲	Group 3 P1 Start	09:00:00 AM	Bell chime	scheduleBell	Classrooms, First Floor, Inside, Outside, Science Rooms, Second Floor	2		22 29	22 29	23 30	24 31	25	26	27
0	State Testing Bells		۲	Group 2 P1 End Group 2 P2 Start	09:15:00 AM	Bell chime Bell chime	scheduleBell scheduleBell	Classrooms, First Floor, Inside, Outside, Science Rooms, Second Floor Classrooms, First Floor, Outside, Science, Rooms, Second						Jul	ly - 2020		
Help	Testing		۲	Group 4 P1 Start	09:30:00 AM	Bell chime	scheduleBell	Floor Classrooms,First Floor,Inside,Outside,Science			Sat 6	Sun	Mon	Tue	Wed 1	Thu 2	Fri 3
	Thursday Fast Day Tuesday and Thursday		۲	Group 1 P2 End	09:35:00 AM	Bell chime	scheduleBell	Rooms,Second Floor Classrooms,First Floor,Outside,Science Rooms,Second		-	13 20	5 12	6 13	7 14	8 15	9 16	10 17
	Add Day Type	•		Group 1 P3 Start	09:40:00 AM	Bell chime	scheduleBell	Floor Classrooms,First Floor,Outside,Science Rooms,Second Floor	2		27	19 26	20 27	21 28	22 29		24 31
		_		Group 3 P1 End	09:45:00 AM	Bell chime	scheduleBell	Classrooms, First Floor, Inside, Outside, Science Rooms, Second Floor	2								
				Group 3 P2 Start	09:50:00 AM	Bell chime	scheduleBell	Classrooms,First Floor,Outside,Science Rooms,Second Floor	2								
				Group 2 P2 End	10:05:00 AM	Bell chime	scheduleBell	Classrooms,First Floor,Outside,Science Rooms,Second Floor	2	٥							
				Group 4 P1 End	10:15:00 AM	Bell chime	scheduleBell	Classrooms, First Floor, Outside, Science Rooms, Second									

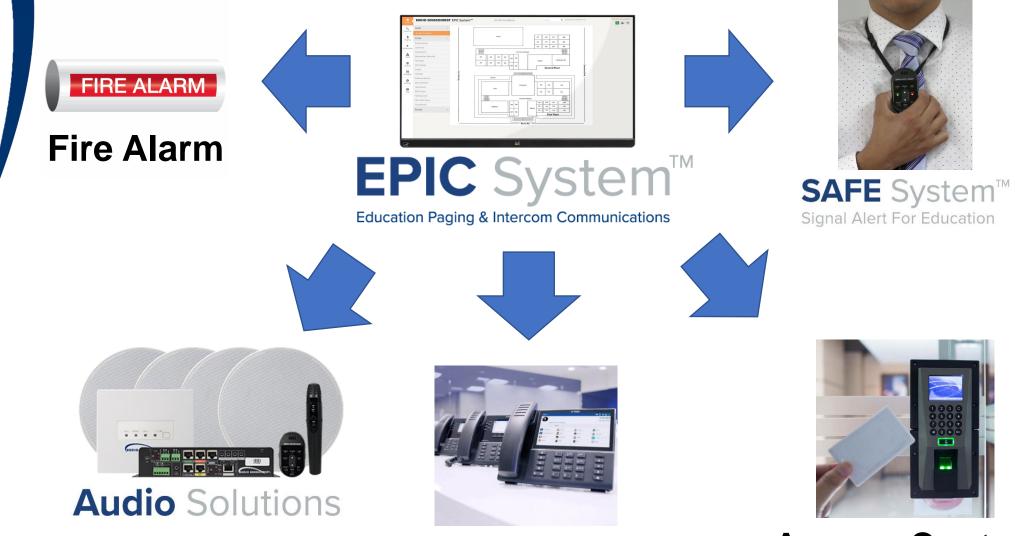


Schoolwide Notifications





Security Integrations



Phone System

Access Control





SAFE System[™] Signal Alert For Education

Common Safety Issues:

- Available Panic button for teachers
- Response time / appropriate response
- Locating incident



"Signal Alert For Education"



- ✓ Medical Emergencies
- ✓ Discipline Issues
- ✓ Parental Situations
- ✓ Intruder

Requested by our customers

Teachers are wearing their mics every day

Discrete way to request help

The alert is sent by teachers



Classroom Receiver

LED "Status-at-a-glance" Indicators





Alert Acknowledged







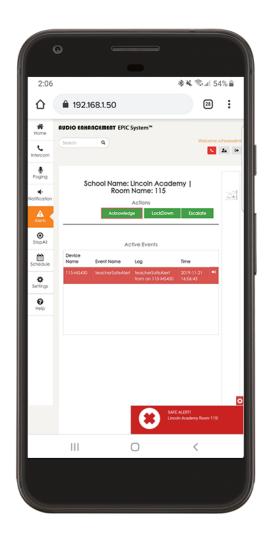
Front Office Notification

Home	AUDIO ENHANCEMENT EPIC System™	Lincoln Academy	Search Q 10-09-2019 12:23:02 PM	Welcome schooladmin
C	Maps			
Intercom	Lincoln Academy			
Paging	Zones ~		213 216 219 222	
	Entire School		214 217 220 223	
Notification	2nd Floor		215 218 221 224	
٨	6th grade	Fields 2nd Floor Hallways		
Alerts	Classrooms	211 209 207 205 201 203		
۲	Elementary Specials	212 210 208 206	Library Computer Lab	
Stop All	Entire School	212 210 200 200 202 204		
m	First Floor		Second Floor	
Schedule	First Grade		Blvd	
\$	First Grade Katsawa	Outside		
Settings	Later lunch		118 116 114	
0	Lunch A	Gym	118 116 114	
O Help	Outside		117 115 113	
	Science Rooms			
	Second Floor	1st Floor Hallways		
	special ed	Cafeteria 119 122	101 102 107 108 103 104 109 110	
	Specials	Offices		
	STEM Zone	121 120	First Floor	
	Testing Zone			
	The Math Zone	Beorn Rd.		
	Vocational			
	Rooms >			
Concentration of the				
ANTE THE		**		



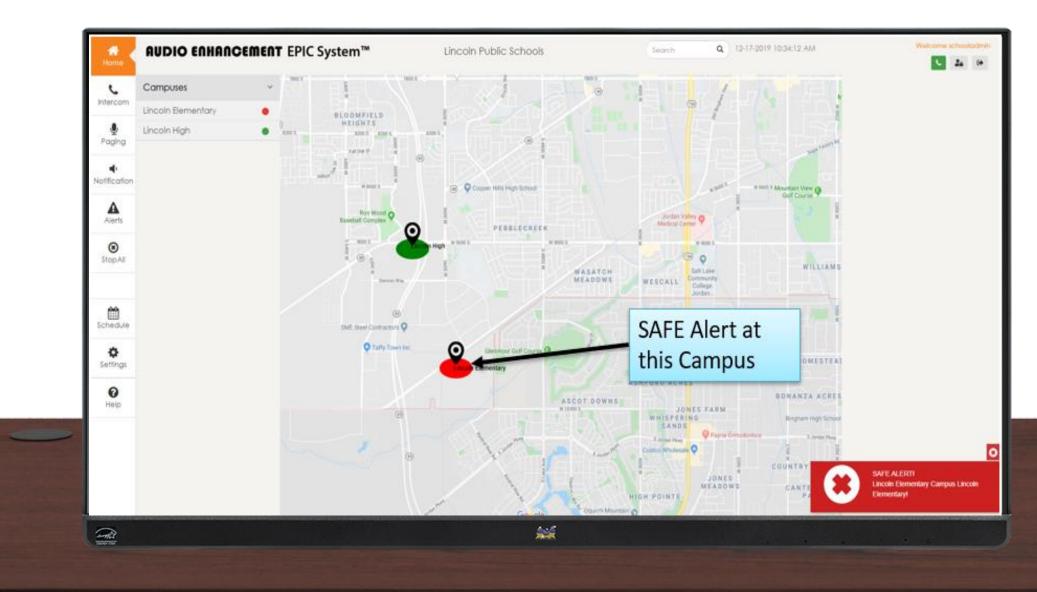
Texts and Email Alerts







District View - SAFE Alerts



District View - Nearby Lockdowns









Video Interactive Education Window

Common Professional Learning Issues

- Available coaches
- Ability to self-reflect
- Sharing best practices
- Sharing content with students
- New teacher growth plans
- Time spent on observations

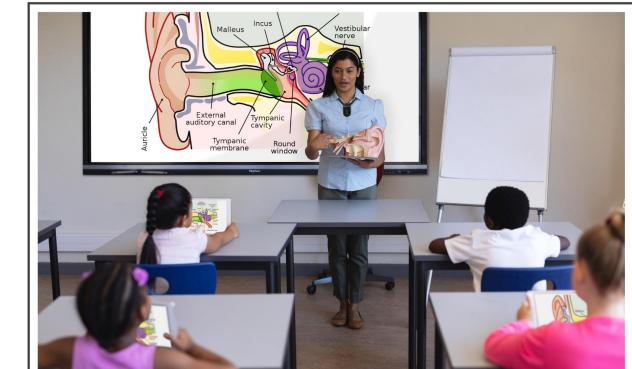


Create your own content





Blended Learning





223

Deliver instruction to students



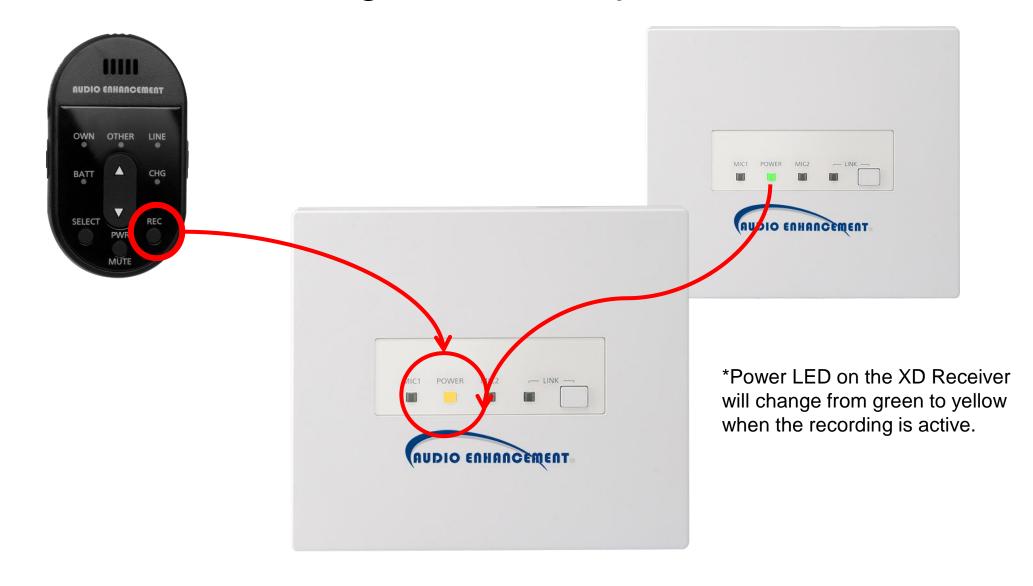






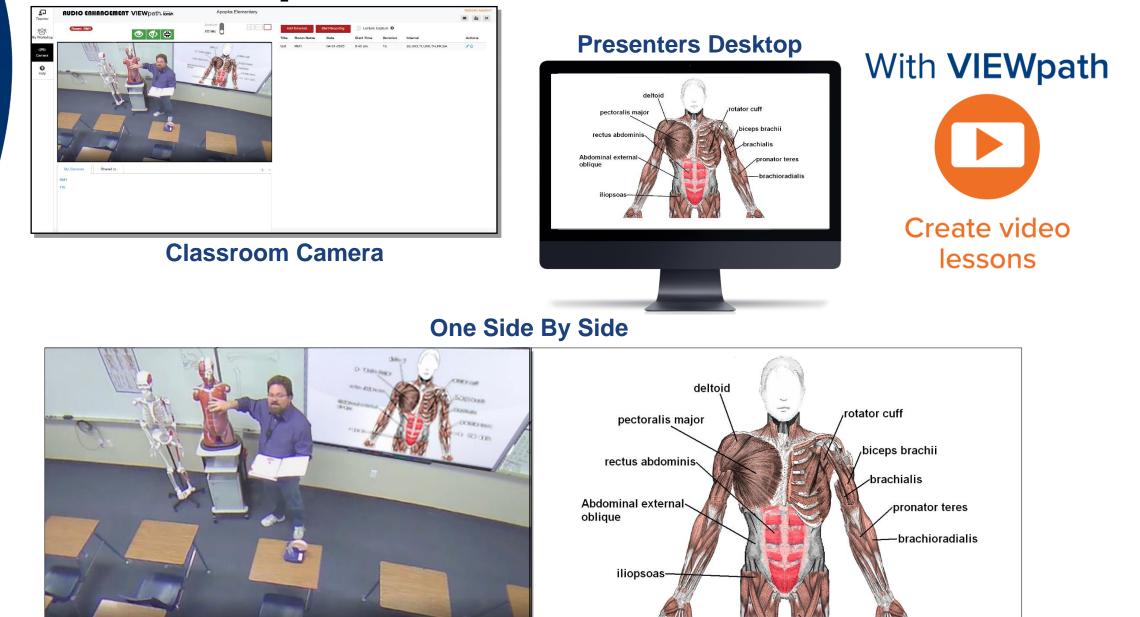


Initiate Recordings from Microphone



Lecture Capture







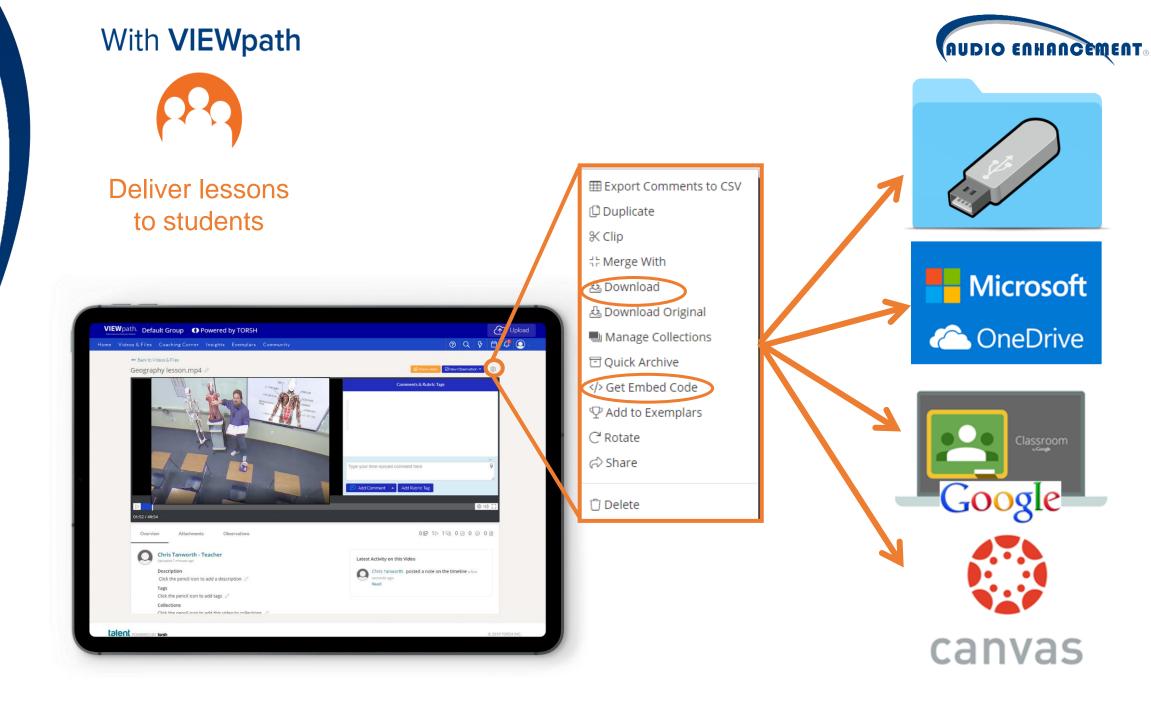




With VIEWpath



Searchable Meta Data 59 ⊳ 2 🖹 Overview Attachments Manage content Tony SanFilippo - Admin Subject 🖉 abla Exemplars Uploaded a year ago Science Video Description Focus Area How do the chest muscles work? 🖉 Biology Video Tags Content Level 10th Grade Science; Biology; 10th-grade Best-practice 🖉 **Exemplar Collections** ⑦ Visibility Ø Biology Course Code 1102 All Groups Attachments Upper Body Muscle Structure Teachers Guide.docx 🔀 Upper Body Muscle Coloring Page.docx 🔀 Add Attachment **Attached Supplementary Materials** nplars k the pencil icon to set subject Focus Area 🦪 Click the pencil icon to set focus area Content Level 🥔 Tlick the pencil icon to set conten Visibility All Groups **Organized Collections** In Library







Tony Wagner, Author of The Global Achievement Gap

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WITH A NEW AFTERWORD BY THE AUTHOR

bis promini wholes, Wagtar definition what shifts are unreliad at a globalized etc. why most America

"I truly believe that viewing and discussing videos of teaching and supervision is the single most effective strategy for improving instruction for all schools...."





Center for Education Policy Research HARVARD UNIVERSITY What did we learn from teachers?



Teachers recorded an average of 13 videos of their own lessons—more than the 5 videos they were asked to collect.

BEST FOOT FORWARD



Professional Learning



is the most important innovation in education since the computer, maybe since the internet.

> – Jim Knight Instructional Coach



Self Reflection



Virtual Coaching

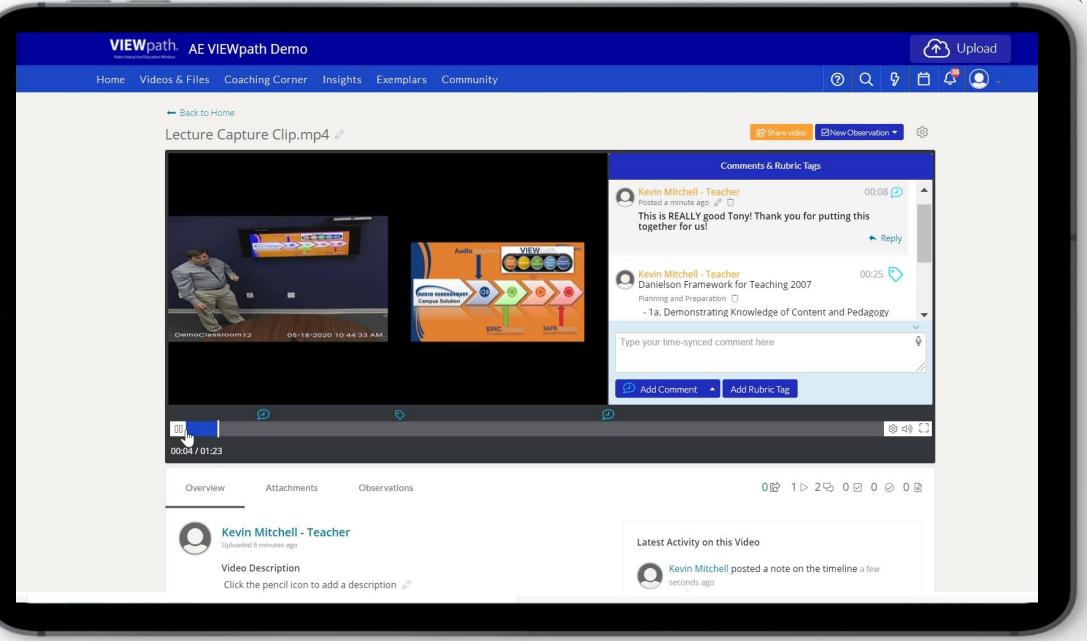


Professional Learning Communities



Teacher Observations









Time Cost of a Discipline Referral (45 minutes per incident)

Administration Time – 30 minutes Teacher Time – 15 minutes Student Time – 45 Minutes

Positive Behavioral Interventions and Supports (PBIS) July 17, 2013





Clements Middle School Covington, Georgia

Year 1—1023 Referrals Year 2—802 Referrals (PBIS) Year 3—82 Referrals (Classroom Cameras)

What does a 720 referral reduction mean in instructional hours saved?

540 Hours



Protect Teachers





- Nearly 30% of teachers will be victims of a false accusation in their career¹
- One in seven male teachers will be falsely accused of inappropriate behavior involving a female student²

1. Bradley, Jon, et al. "False Accusations: A Growing Fear in the Classroom." *EdCan Network*, 6 Jan. 2011, www.edcan.ca/articles/false-accusations-a-growing-fear-in-the-classroom/. 2. Quinn, Ben. "Teachers to Be given Protection against Pupils' False Allegations." *The Guardian*, Guardian News and Media, 4 Apr. 2011, www.theguardian.com/education/2011/apr/04/teachers-protection-against-false-allegations.



Dual Stream Camera

Stream 1 SECURITY

360° Classroom View

Surveillance

Watermarked Video

24/7 Recording



Stream 2 INSTRUCTION

Multiple 4K Camera Views

Closable Lens

Teacher Controlled

Won't Impact Security Stream



Camera Views



Double Panorama

Quad View





Single View







Audio Enhancement Case Study: https://youtu.be/zFGK7CnurzA

- . Dr. David Schuler, 2018 National Superintendent of the Year
- . Dr. Curtis Jones, 2019 National Superintendent of the Year
- . Samantha Fuhrey, 2020 National Superintendent of the Year Finalist
- . Dr. Morris Leis, Coffee County, GA Superintendent



Questions?

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