



- Who We Are 

  [ Collaboration and Partnership

Ask questions any time you want –

This is your time!





# OUR TEAM INTRODUCTIONS



Mike Eichhorn
Educational Planner,
Principal-in-charge
Wold Architects & Engineers



Alison Andrews
Educational Planner,
Wold Architects & Engineers



**Dan Kritta**Educational Programmer
Wold Architects & Engineers

Our team has been carefully chosen for your District.

They each have a passion for educational design with experience that is well aligned with your challenges to help you be successful.







- Everything we do focuses on listening to you and achieving your goals -Our approach considers the big picture
- Our focus on building relationships and communities gives us different motivation



# **Wold Architects & Engineers**

- In business since 1968
- National PK-12 Design Firm
  - St Paul, MN; Palatine, IL; Denver, CO; Nashville, TN
  - 300+ staff across all offices
- Services: Architecture, M&E Engineering, Interior Design, Facilities Master Planning



We value the uniqueness of CCSD 59's community and will work to incorporate and honor your defining qualities. We strive to understand your objectives and to deliver an exceptional experience — not just a project or a building.











## **EVERY SCHOOL DISTRICT PLANNING EFFORT**

# GATHERING DATA TO UNDERSTAND NEEDS



Gather Data

**Establish Facts** 

Agree on Need

**Develop Options** 









Recommendation

**Board Actions** 

Pre-Referendum

# **OUR APPROACH MASTER PLANNING**

# KEY COMPONENTS OF A MASTER PLAN

- Fact Based
- Perceptions Validated
- Agreement on Need
- Community Must Be Involved in Process
- No Stone Unturned
- A Good Plan Builds Support at Every Step





## **GATHERING DATA**

# **OBJECTIVE DATA**

- Physical Conditions
- Capacity vs. Enrollment
- Utilization of Buildings
- Demographics
- Security Analysis / Audit
- Energy Performance
- Technology Plan
- Schedules

# **SUBJECTIVE DATA**

- Educational Programming
- Functional Fit
- Strategic Alignment
- District Quality
   Standards
- Engineering Approach
- Security Perceptions
- Community Support





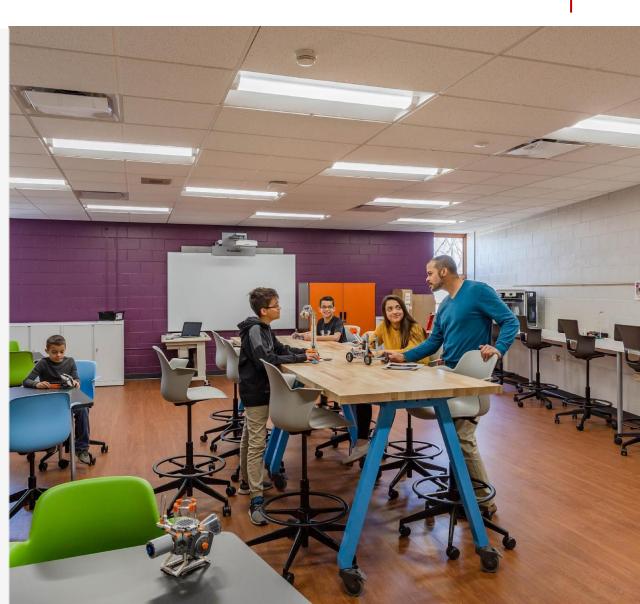


# FUNCTIONAL ASSESSMENT EDUCATIONAL ALIGNMENT

## How Do We Do This?

- Interviews with all Principals, Key Administration
- Floor Plans with Easy-to-Read Graphics
- Review of Specialized Education areas
- Schedules for Activities
- Meeting Minutes
- Development of visual graphics

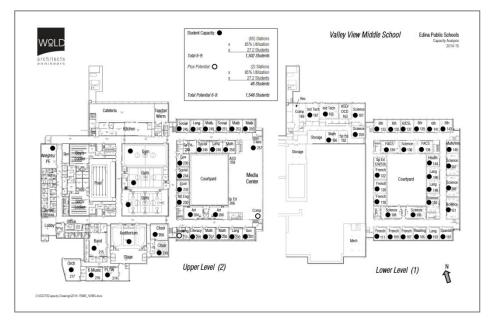
We are not developing solutions at this phase – this is about preparing information for the future planning committee to consider

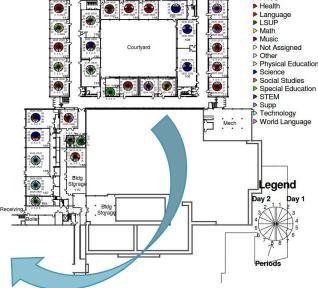






# EDUCATIONAL ALIGNMENT CAPACITY ANALYSIS

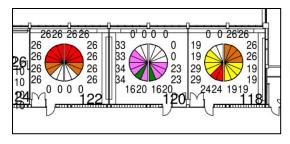




Departments

▷ Art
▷ FACS

How do your
Buildings
Support the
Student
Enrollment?



Are the Rooms as Utilized as You Think?





# EDUCATIONAL ALIGNMENT SPACE COMPARISON

		Prototype I				T	Prototype 2								Γ	Prototype 3			
			0		Т		1					Christina		John F.	1	Orchard Lake	1		٦
	State (MDE)	Cherry View		Lakeview	1	Lake Marion	ı	Eastview		Oak Hills		Huddleston		Kennedy		(D)	-1	New	
	Guideline	Elementary	#	Elementary #	#	Elementary	#	Elementary	#	Elementary	#	Elementary	#	Elementary	#	Elementary	#	Elementary	#
Kindergarten	1200-1500	1,150	2	1,150 2	2	1,150	3	1,210	2	1,210	2	1,145	2	805	4	840	1	1,200	5
Kindergarten	1200-1500	860	4	860 2	2	860 2	2	835	3	835	2	890	2			800	2		
Classrooms 1-5	850-950	860	22	860 2	1	860 2	2	835	21	835	21	890	18	805	20	840, 800	15	850 2	21
Classrooms (intv)	850-950	860	2							835	2	890	1			800	3		
Classrooms (other)	850-950											940	-			(see staff areas)	)		
Classrooms: New Additions	850-950					925 (750)	0	930	4			870 (x3), 995	4	990 (+230)	4				
Gym	6000-8000	8,000	Α	8,000 A	A	8,000 A	1	4,780		4,780		4,970		4,685		4,970	Α	6,500	
Gym (no Café)		4,775		4,775		4,775										2,485			
Cafeteria (Cap/6)	12-13 sf/Stud.	2,435		2,435	T	2,435	T	1,790		1,790		1,860		1,860		1,750	П	2,400	
11.40.000	MDE	1,690		1,525		1,638		1,577		1,473		1,330		1,469		1,105		1,577	
Music	1000-1500	950		950	T	950	T	1,510		1,510		1,170		1,225		1,360		1,200	
Art	1000-1500	1,200		1,200	T	1,200	T	950		950		1,170		1,135		1,020		1,200	
STEM	1000-1200	860		860	T	860	T	840		835		890		710		1,020		1,200	
Multi-Purpose / Flex	Varies	1,710		1,710	T	1,960	T	1,500 (x5)		1,500 (x5)		2,130		2,270		1,205	٦	1,200 (x6)	
Media Center	В	5,395	T	4,765	1	1,260	Ī	3,525		3,525		4,155		3,460		3,660	7	3,500	
SpEd (Resource)	Varies	2,185		2,185	T	2,185	1	1,950		1,950		2,035		1,935		540	1	2,500	
SpEd (Base Classroom)		860	2	860, 1150 2	2	2 @ 855	:	835	2	835	1	890	2	805	2	NA	ı	850	2
SpEd (Add. Classroom)		860	4		T		T					890	_	915	1		1		
SpEd (Other)		1,150	1		T		T										1		
Staff Lounge / Work		735	I	735	T	735	T	560		835		575		1,095		3,025 (	(2)	1,000	
Admin. (incl. Nurse)		2,100		2,100	T	2,100	T	2,185		2,185		1,800		1,570		1,485	1	2,340	
Kitchen		2,280		2,280	T	2,280	T	1,760	-	1,760		1,590		1,640		1,990		2,150	
K-5 Utilized Classrooms			28	2	5	2	7		26		25		22		24		18	2	26
Potential Total Classrooms			35	2	5	3	5		30		26		29		29	1	19	2	26
Capacity (Current Utilization)		780		704		756		728		680		614		678		510		728	
Capacity (28 Avg.)		784		700		756		728		728		616		672		504		728	
Potential Capacity		980		700		980		840		728		812		812		532		728	
Total SF		97,602		77,602	ì	93,055	ì	89,065		79,993		79,745		78,955		52,168		81,500	
SF / Student (Current)		125		110		123	Ī	122		118		130		116		102		112	
SF / Student (Avg.)		124		111		123		122		110		129		117		104		112	
SF / Student (Potential)		100		111	j	95	Ì	106		110		98		97		98		112	
MDE Guideline: 110-135 sf / student																			
SpEd SF / Student		68		38		32		30		24		36		38		5		38	

#### Notes:

- A) Includes Cafeteria as part of total Gym SF
- B) 2,000-2,200 + (8-10% of students x 35)
- C) Using modified space not typical classroom
- D) Orchard Lake is collaborative learning spaces
- (Classroom sizes represent space averages)
- E) New addition classrooms utilize a locker area before entering classroom. SF noted shows full space with classroom space noted 2nd

# EDUCATIONAL ALIGNMENT EDUCATIONAL PROGRAMMING

# Far More Subjective

- Alignment to Larger Goals
- Heavy Level of Community Involvement
- Staff Ownership of Process & Needs
- Programming Initiatives to Tackle





# INNOVATIVE EDUCATIONAL DESIGN PERSONALIZED LEARNING

# Personalized Learning has many facets, and space needs to adapt to meet the needs of every individual student – today and in the future

- Learning can happen anywhere not limited to the classroom
- Every student has their own path to success
- Facilities need to be flexible and dynamic to empower learners and educators
- Power of Student Choice

How can your learning environments ignite passion and engagement from your students?







## **FACILITIES CONDITION ASSESSMENT**

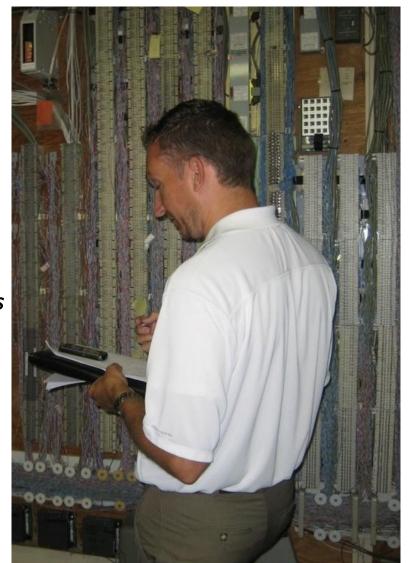
## DATA FOR MASTER PLANNING

## What is Studied?

- Exterior Envelope
- Interior Finishes
- Site Conditions
- Mechanical & Electrical Systems
- ADA, Life Safety, and Code Items
- Energy Performance & Opportunities

# What is the Deliverable?

- Report w/ Analysis and Options
- Cost Estimates









# **EDUCATIONAL ALIGNMENT**

-alcon Ridge

## SECURITY ANALYSIS / AUDIT

#### **ENTRIES**

Office adjacent to the front door / direct visual (exterior windows) to entry sidewalk

Secure vestibule with inner door set electronically locked

Ability to create secure vestibule with current office location?

Portable Classrooms (No Secure Travel Path)

Airphone system (camera and phone with office controlled door in the vestibule) if office is not at front door

Airphone system in combination with secure vestibule with direct controlled door to office

"Duress button" at reception desk to call 911 or police liaison

Laminated glass in entry vestibule and/or adjacent windows

Computerized sign in equipment

Laminated transaction window to separate staff from visitor

"Sallyport" system within the main office reception including laminated / "bullet resistant"

Visitor / "Welcome" Desk staffed at Entry

Security Guard: armed or unarmed

Metal detector screening

P = Pending

#### **BUILDING PERIMETER**

Card readers to high use doors

Number of exterior doors / entries (paired doors count as "1") ( / Exit Only)

Intercoms at loading docks (No cameras)

Video surveillance system

Door monitoring / management system (door contacts)

Opening monitoring / management system (windows, hatches, skylights, etc.)

Laminated glass at all exterior windows on ground level.

Fixed (inoperable) exterior windows on ground level

Vehicle impact deterrence: Berms, bollards to protect building / front door

Control roof access / courtyard access (door/hatch contacts, card readers)

Falcon Ridge Eagle View Raven Stream	Midale School High School CEC / DO
--------------------------------------	------------------------------------

	Х	X		X		X
	χ	Х		Х		Х
					?	
X	Х	X	X	X	X	Х
X	Х	х	Х	X	X	х

#### SITE / SECURE PERIMETER

Site lighting at building and parking areas

Site lighting at play areas and ballfields

Video surveillance system at building exteriors and parking

Video surveillance system at play areas and ballfields

Designated visitor parking to allow for better monitoring

Limit vehicular travel around site (gates, etc. for fire lanes) (% Accessible Noted)

Strategic landscaping decisions / support supervision

Perimeter fence/gate

Guard house at site entrance

#### INTERIOR CIRCULATION

Zone manual lockdown (wings of a building)

Motion detection

Interior cardreaders connected to security system (data rooms, computer labs, etc.)

HVAC zoning for shut-off/isolation (through Digital Controls)

"Lock down" button at office to disable card readers

"Lock down" button at office to release door hold opens

M = Minimal or Limited Locations

Χ

X Х

XX

Χ X Х

Х X X

Χ X

11/3 19/4 23/8 17/8

X

X

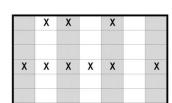
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65 70+ 70+ 99 85 100 50

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CEC/DO

X X X

X X X

#### **CLASSROOM SECURITY**

Hardware Function: Classroom lock (inside key or thumb-turn operated)

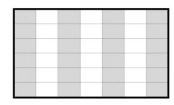
Blinds at all interior / exterior windows

Wire glass at all interior windows / sidelights

Laminated glass at all interior windows / sidelights

Laminated "bullet resistant" glass at selected areas

Area of refuge: Harden one classroom per cluster or similar space?







## **EDUCATIONAL ALIGNMENT**

## **ACTIVITIES & COMMUNITY USE**

- Facilities easily accommodate District Sports
- Community Need for Soccer?
- Upcoming repairs
- Using After-hours and weekend
- Other use of sports fields

Туре	Quantity	Notes
Track / Stadium	1	
Practice Football	3.5	
Soccer	3	Includes Stadium
Tennis	10 @ HS	
	6 @ MS	
Baseball	2 @ HS	Games @ Memorial Park
	1 @ MS	
Softball	2 @ HS	Games @ HS
	2 @ CC	
Wrestling	2 Mats	
Basketball	4 @ HS	Games @ HS
	2 @ MS	
	2 @ CEC	
	1 @ ea. ES	Community Use
Fitness / Weights	HS	
Dance	0	Use Gym & Commons
Gymnastics	1	Club Owned (+Cheerleading, +Track)
Hockey	1	Community Center / Club Use
Pool	0	BIGGEST NEED
Marching Band		Use Stadium & Practice Fields



# **Proposed Timeline**

### PHASE I:

- APRIL 2023 KICKOFF
- MAY 2023 EDUCATIONAL ALIGNMENT ASSESSMENT START INTERVIEWS
- SUMMER 2023 CONTINUE DATA GATHERING
- FALL 2023 REPORT

These are your buildings, not ours. We will provide expertise for knowledge and comparison, but they need to reflect your values and criteria.

