

# Closet to Classroom

How changes to instructional delivery can provide much  
needed space in crowded schools

LEARNINGSAPES 2018

Association for Learning Environments

Presenters:

Dr. Sherry Grate – Superintendent

Dr. Stacy McGuire – Principal

Jeff Olson

Brent Hite





### **Dr. Sherry Grate**

Dr. Grate is superintendent of Westfield Washington Schools, the fastest growing school district in the state of Indiana. Leading a team of more than 1,000 employees in a district of nearly 8,000 students in nine schools, she has garnered praise for her energetic and collaborative leadership and communication style. Dr. Grate is beginning her third year as Superintendent in Westfield and tenth year as a Superintendent. Dr. Grate has been an educator for over 30 years, and has worked in rural, suburban and urban settings. She has been a classroom teacher, elementary school principal, assistant superintendent for curriculum and instruction (K-12) and superintendent.



### **Jeff Olson**

Jeff joined CSO in 2004. Jeff has a wide range of experience designing and planning a variety of building types, incorporating a high level of innovation with sensible and client focused priorities. He has partnered with clients ranging from higher and K-12 education to civic and private entities..



### **Dr. Stacy McGuire**

A graduate of Indiana University and Butler University, Stacy McGuire is serving in her 14<sup>th</sup> year as principal at Westfield High School. Under Stacy's leadership, WHS has been recognized as a top 10 school in the state of Indiana and consistently improves performance each year. Stacy has led her staff in the development of a comprehensive career and college readiness program to ensure every student who graduates has opportunities to continue their success after graduation. Stacy was instrumental in casting the vision and developing the culture necessary for such a major change to the high school learning environment.



### **Brenton C. Hite**

Brenton Hite has been a Project Manager with CSO for just over a year, but has more than 8 years of experience designing K-12 and higher education facilities. He is a product of a Midwestern upbringing and a graduate of Ball State University where his interest in learning environments began. Brent has quickly developed an expertise in K-12 design and next generation learning environments while designing and building educational facilities across the country.

## INTRODUCTION

- Demographics & Growth
- Road to Referendum

## DEVELOPING VISION

- Student Course Tracks
- Establishing Priorities
- Analyzing & Determining Efficiency
- Pilot Programs

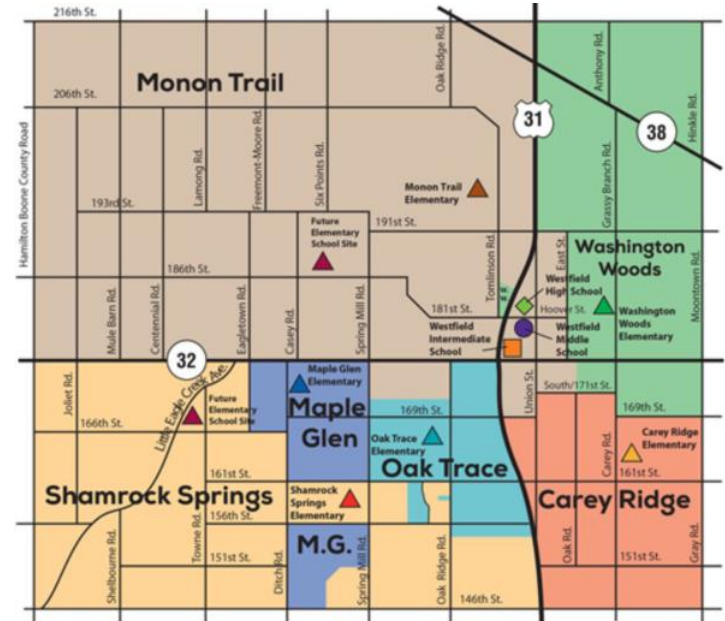
## TRANSLATING VISION

- Maximizing Existing Space
- Designing New Space
- Developing a Building Master Plan

## ENABLING INNOVATION

- What the Future May Hold

Westfield Washington Schools is located 20 miles north of Indianapolis in Westfield, IN. This once small community is rapidly becoming one of Indianapolis's most desirable suburbs. With the boom in residential construction, the school district requesting its resident back a capital referendum in 2017.



Carey Ridge ES  
Monon Trail ES  
Maple Glenn ES

Oak Trace ES  
Shamrock Springs ES  
Washington Woods ES

Westfield Middle School  
Westfield Intermediate School  
Westfield High School

# introduction





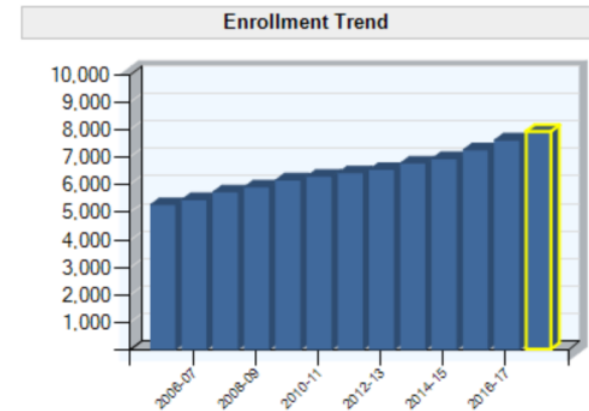
## WESTFIELD SECONDARY CAMPUS

1. Westfield High School
2. Westfield Middle School
3. Westfield Intermediate School
4. Future Aquatic Center/YMCA

# introduction

## DEMOGRAPHICS & GROWTH

- Fastest growing school district in Indiana
- 2<sup>nd</sup> wealthiest county in Indiana
- Home price points indicate growth of secondary in lieu of primary schools.
- Named best county for raising a family in the US



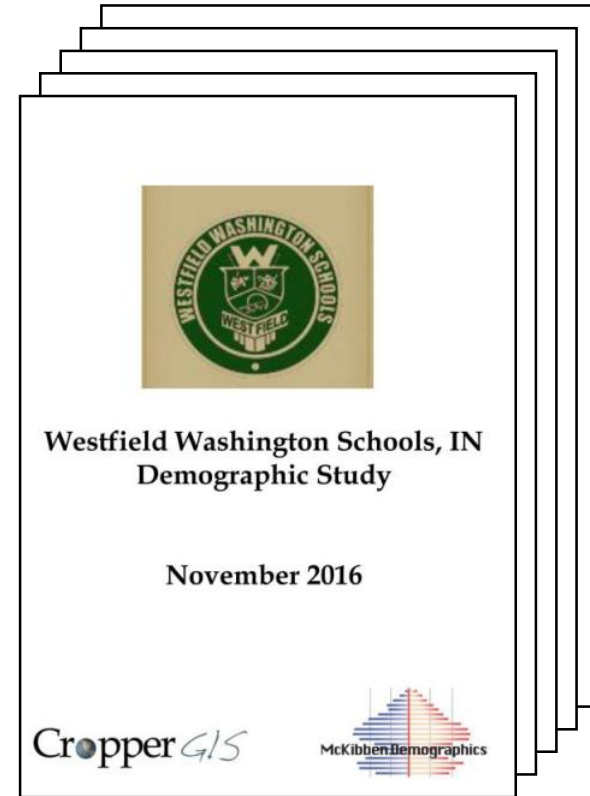
School	Building Capacity	Enrolment (2016)	Enrollment (2018)	Enrollment (2026)
Westfield HS	2,250	2,151	2,240	3,111
Westfield MS	1,250	1,214	1,215	1,538
Westfield IS	1,250	1,130	1,229	1,431
Carey Ridge ES	650	561	609	521
Monon Trail ES	650	424	475	521
Maple Glenn ES	650	550	570	521
Oak Trace ES	650	607	604	521
Shamrock Springs ES	650	431	462	521
Washington Woods ES	650	442	505	521
*Current enrollment numbers from Indiana Department of Education *Enrollment projections from McKibben Demographics Report on district growth				

# introduction

## Road to Referendum

- **Complete Facility Assessment**
- **Demographic Study**
- Complete Strategic Plan
- Community Focus Group Meetings
- Budget and Conceptual Design
- Budgeting and Tax Rate Analysis
- Operational & Capital Projects  
Referendums

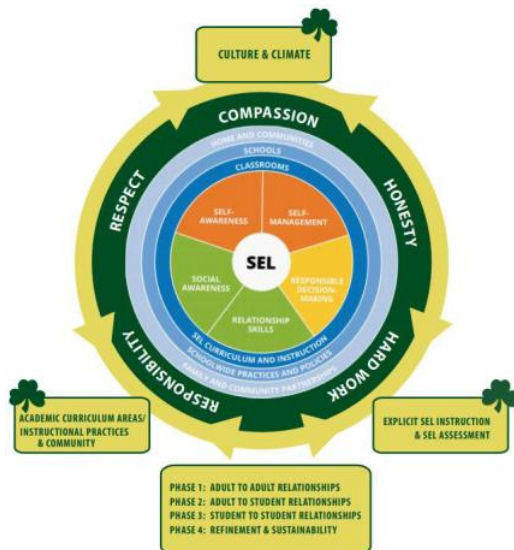
Enrollment By Grade					
Grade	2013-14	2014-15	2015-16	2016-17	2017-18
Pre-Kindergarten	79	70	70	72	70
Kindergarten	541	557	579	611	643
Grade 1	550	568	586	595	631
Grade 2	526	558	577	612	625
Grade 3	503	545	575	615	626
Grade 4	574	515	578	591	630
Grade 5	531	585	528	589	625
Grade 6	520	541	618	543	604
Grade 7	502	534	542	652	554
Grade 8	573	506	554	562	661
Grade 9	485	556	538	577	581
Grade 10	450	487	571	538	566
Grade 11	447	445	472	560	542
Grade 12	472	440	442	471	546
Grade 12+/Adult	6	6	5	2	5
Total Enrollment	6,759	6,913	7,235	7,590	7,909



# introduction

## Road to Referendum

- Complete Facility Assessment
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- **Complete Strategic Plan**
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- Budgeting and Tax Rate Analysis
- Operational & Capital Projects Referendums



# introduction



## Road to Referendum

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- Operational & Capital Projects
- Referendums



### COMMUNITY FEEDBACK

- Programs to Expand & Enhance
  - Fine Arts
  - Performing Arts
  - STEM
  - Technology
  - Career & Vocational Training
  - Social & Emotional Needs of Learners
- Items to Address
  - Security & Safety
  - Capacity
  - Traffic Flow
  - Existing Pools
  - Use of Instructional Space
  - Cafeteria
  - Transportation
  - Facility Maintenance

## Road to Referendum

- Complete Facility Assessment
- Demographic Study
- Complete Strategic Plan
- Community Focus Group Meetings
- Budget and Conceptual Design
- Budgeting and Tax Rate Analysis

Project	Estimated Cost	Estimated Annual Payment	Tax Impact*
<b>WHS</b> Renovation/Expansion	\$42,120,000	\$3,585,000	\$0.1452
<b>WMS</b> Renovation/Expansion	\$16,730,000	\$1,395,000	\$0.0565
<b>WIS</b> Renovation/Expansion	\$7,150,000	\$600,000	\$0.0243
<b>District-Wide</b> Renovations	\$24,000,000	\$2,020,000	\$0.0819
<b>Total</b>	<b>\$90,000,000</b>	<b>\$7,600,000</b>	<b>\$0.3079</b>

## Tax Rate Impact

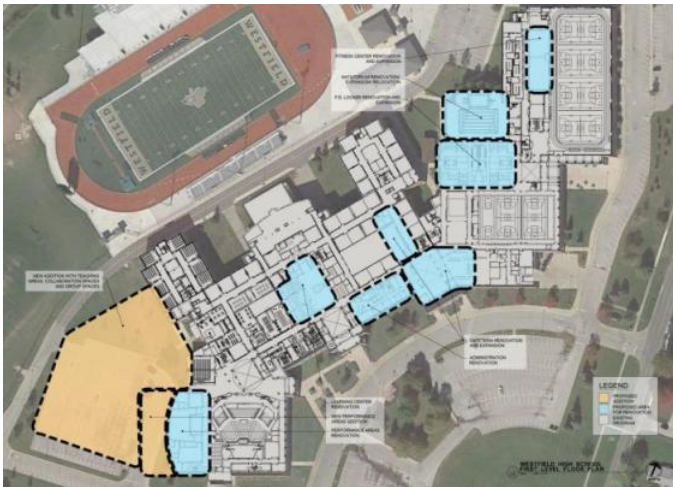
Average Home Value Approximately \$199,100 in Westfield

### Westfield Washington Schools

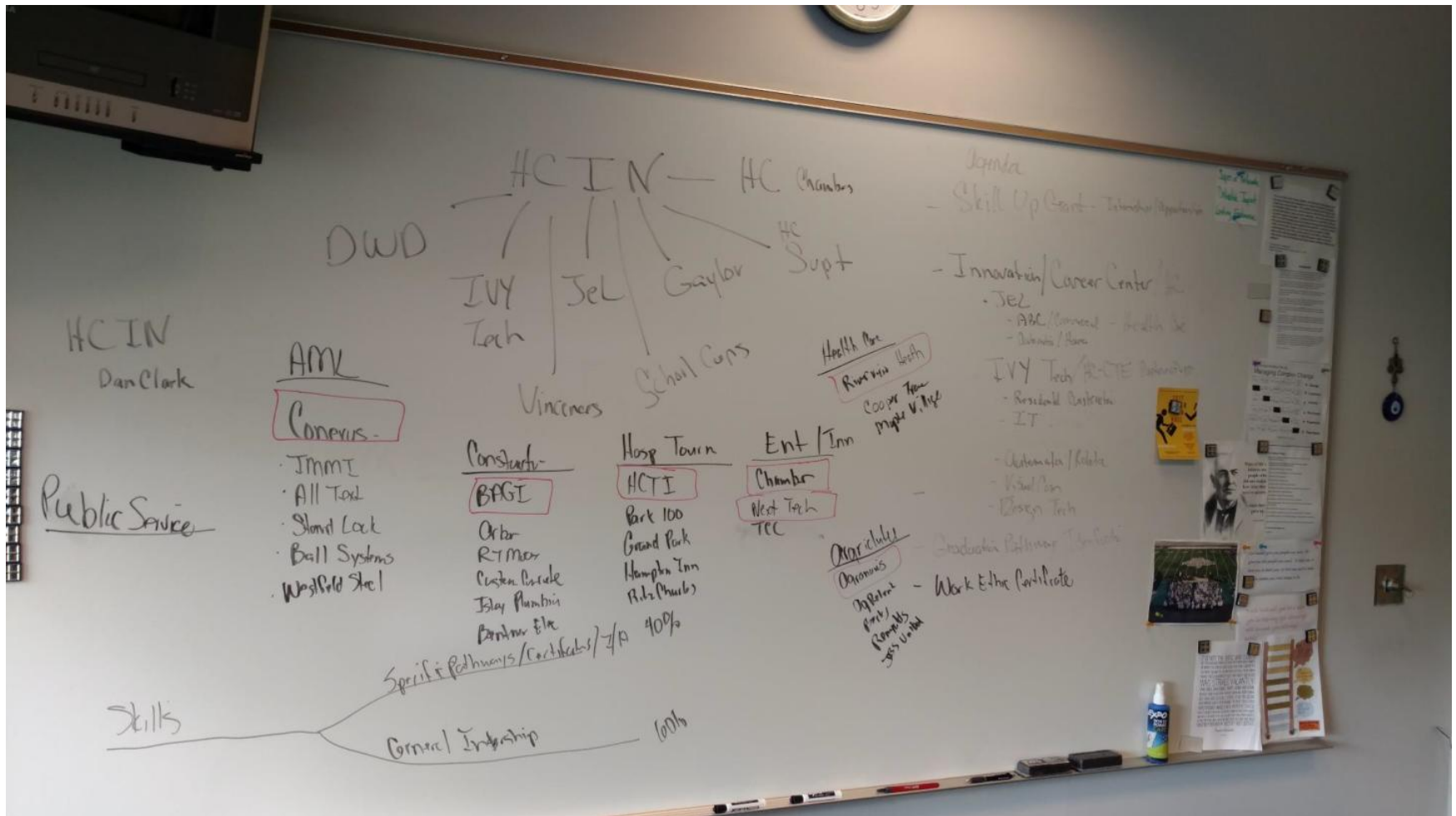
#### \$90MM Proposed Referendum

"AS A TAXPAYER, WHAT DOES THIS MEAN TO ME?"

	Residential Homes					
	200,000	300,000	400,000	500,000	600,000	750,000
Gross Assessed Value	200,000	300,000	400,000	500,000	600,000	750,000
Less Homestead Deduction	-45,000	-45,000	-45,000	-45,000	-45,000	-45,000
Less Supplemental Deduction	-54,250	-89,250	-124,250	-159,250	-194,250	-246,750
Less Mortgage Deduction	-3,000	-3,000	-3,000	-3,000	-3,000	-3,000
Net Assessed Value	97,750	162,750	227,750	292,750	357,750	455,250
Tax Rate Impact of 30.79 cents	\$300.97	\$501.11	\$701.24	\$901.38	\$1,101.51	\$1,401.71
Tax Rate Impact Per Month	\$25.08	\$41.76	\$58.44	\$75.11	\$91.79	\$116.81



# introduction



# developing vision

# *THREE LEAVES OF THE SHAMROCK*





# PRIORITIES

1. TEACHING SPACE

2. PERFORMING ARTS

3. WELLNESS

· POOL? WORKERS/FITNESS

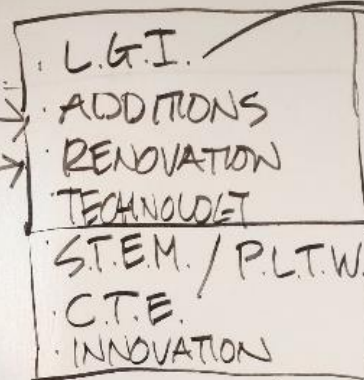
· PARTICIPATION

4. SERVICES

· ADMIN/ENTRY/CIRCULATION/FOOD SERVICE

5. EXISTING CONDITIONS

6. HIGH SCHOOL/CAMPUS SITE CIRCULATION



→ AFTER HOURS USE

SPECIAL ED SPACE

· AUT. ED

· LIFE SKILLS/ED/

· PROGRAM DIRECTION

· OPPORTUNITIES

· SAFE/SUPERVISION

· OFF SEASON WORKER SPACE/CHANGING

→ MEP./GEN CONDITIONS/WORKERS?

# Master Schedule Analysis

Teaching Stations By Room																				
Subject	Room Number	Teaching Stations	Max. Enrollment	Term 1 Occupancy					Term 2 Occupancy					Term 3 Occupancy					Utilization	
				Period 1	Period 2	Period 3	Period 4	Period 5	Period 1	Period 2	Period 3	Period 4	Period 5	Period 1	Period 2	Period 3	Period 4	Period 5	Vacancy	Efficiency
General Music	1005	1	50	0	24	23	0	0	26	17	0	25	0	0	24	17	0	23	7	53%
	1010	1	120	37	55	23	44	41	0	59	0	0	60	0	0	57	60	0	6	60%
	1015	1	120	24	48	56	0	44	54	47	24	0	47	26	58	0	24	47	3	80%
		1	50	19	0	22	23	24	22	22	15	24	51	21	0	22	24	54	2	87%
Media	1103	1	26	0	0	0	22	0	25	0	0	0	0	24	0	0	0	0	12	20%
Flex Space	1112	1	35	0	0	0	47	139	0	0	0	50	162	0	0	0	18	109	0	-
Business	1202	1	30	25	17	24	32	24	15	10	30	31	0	24	22	9	23	27	1	93%
Business	1203	1	35	19	28	35	34	27	15	29	31	25	0	32	26	33	29	24	1	93%
Business	1205	1	30	16	19	26	19	59	28	22	18	27	55	27	22	24	18	28	0	100%
PLTW	1206	1	28	28	22	29	20	29	22	24	20	27	28	29	30	29	17	27	0	100%
Business	1207	1	28	0	28	27	20	23	21	25	20	26	25	20	19	16	12	0	2	87%
Business	1209	1	28	19	23	21	28	19	18	18	18	27	23	18	17	18	0	23	1	93%
English	1221	1	35	28	14	35	15	0	0	19	16	15	15	25	21	14	30	0	3	80%
English	1223	1	35	25	23	0	20	26	16	11	25	23	27	17	11	28	19	27	1	93%
	1224	0.5	15	5	5	5	7	7	4	5	10	3	4	6	2	7	7	3	0	100%
English	1225	1	35	23	16	31	19	0	0	30	33	26	13	27	32	0	28	31	3	80%
English	1227	1	35	0	23	24	31	24	27	0	32	33	34	28	26	26	31	0	3	80%
English	1229	1	35	0	29	32	28	24	24	0	33	26	32	25	23	35	29	0	3	80%
	1230	0.5	15	5	7	7	4	7	9	6	9	4	7	9	4	7	4	8	0	100%
English	1231	1	35	0	15	35	17	26	19	30	16	16	21	15	0	27	31	29	2	87%
English	1233	1	35	24	32	32	33	0	21	32	33	23	21	28	19	29	20	0	2	87%
English	1235	1	35	33	34	30	29	0	27	32	35	22	0	24	33	31	26	0	3	80%
Photo Lab	1241	1	32	15	23	30	24	27	0	18	30	29	30	0	26	30	30	26	2	87%
Art	1242	1	35	27	26	29	30	23	30	26	30	29	24	25	26	20	0	24	1	93%
Ceramics	1243	1	35	26	24	29	25	30	27	27	29	19	26	22	26	21	28	24	0	100%
Art	1244	1	30	24	26	15	25	25	0	30	15	0	23	0	30	27	23	0	4	73%
SPED-Strack	1245	1	50	0	6	7	9	9	0	9	9	10	6	0	12	8	10	6	3	80%
PLTW	1261	1	28	21	23	20	0	20	0	25	12	14	15	19	11	24	25	21	2	87%
	1262	1	35	9	0	8	5	7	6	0	7	5	8	9	0	3	9	7	3	80%
PLTW - ETE Production	1263	1	26	22	20	21	22	25	26	20	14	20	21	22	25	0	12	21	1	93%
FACS	1264	1	30	23	30	30	30	0	27	29	29	30	30	30	30	30	15	29	1	93%
Construction	1265	1	30																0	-
Media Studio	1309	1	40	24	25	22	23	25	24	24	24	17	19	13	22	24	24	25	0	100%
World Language	1314	1	35	21	0	24	17	18	19	22	20	34	0	19	0	24	21	35	3	80%
SPED	1315	1	15	7	8	9	9	9	7	8	17	5	5	5	5	12	9	6	0	100%
English	1316	1	35	26	29	0	30	27	26	36	0	22	22	25	24	31	30	26	2	87%
English	1317	1	35	30	30	32	32	0	34	34	34	0	29	31	31	27	0	27	3	80%
	1330	0																	0	-

- Evaluate Building Efficiency
- Review Realities with Campus Leadership
- Identify Program Trends

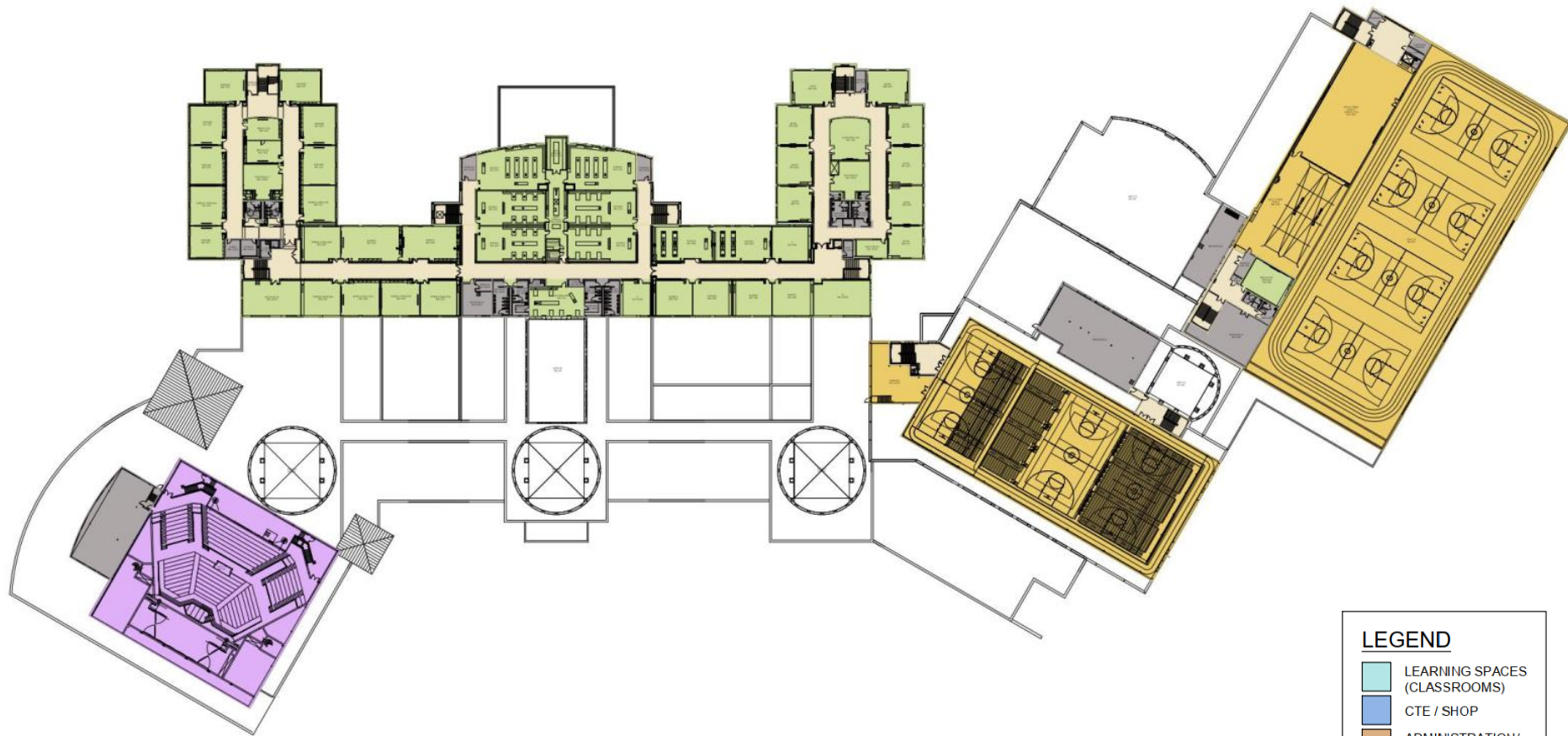
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**First Floor:** 228,089 SF  
**Second Floor:** 124,683 SF  
**Total:** 352,772 SF





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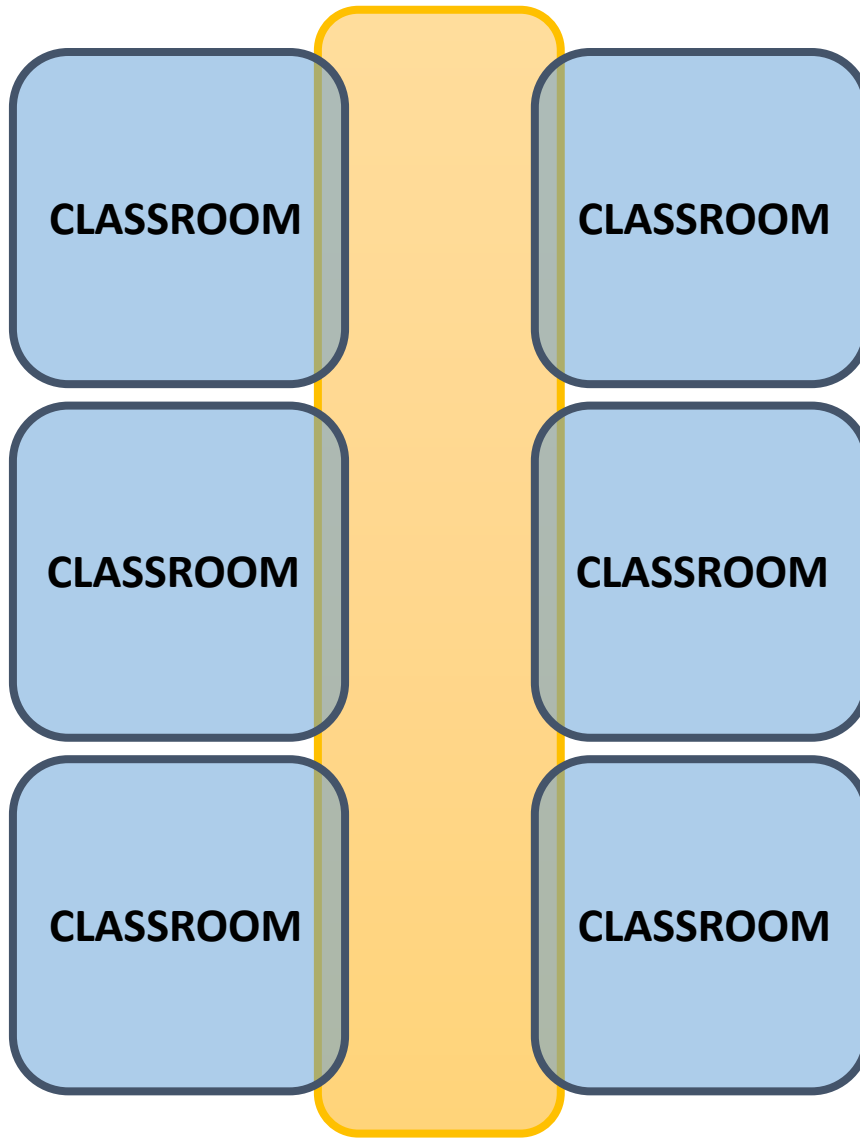
**LEGEND**

- LEARNING SPACES (CLASSROOMS)
- CTE / SHOP
- ADMINISTRATION/ OFFICES
- MEDIA CENTER
- PERFORMING ARTS/ FINE ARTS
- ATHLETICS
- SUPPORT/ MECHANICAL/ ELECTRICAL

**Existing Second Floor Plan**

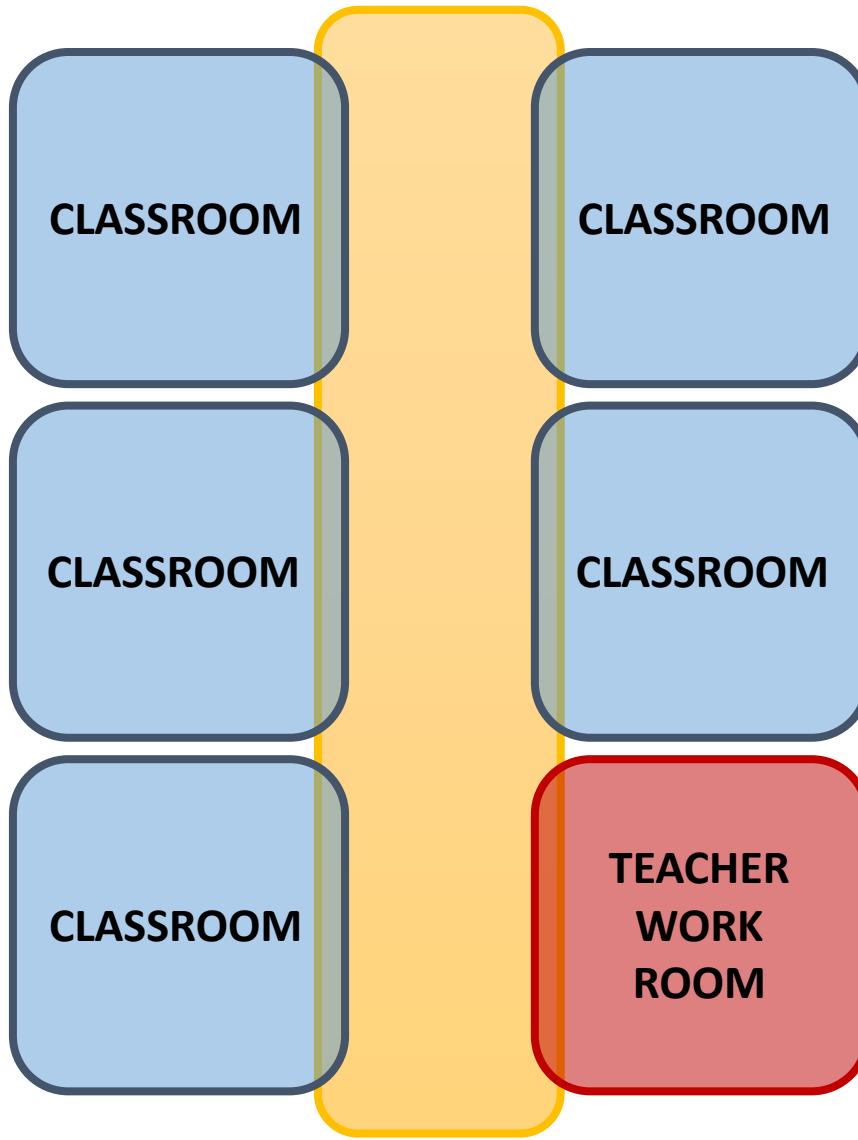






- 6 CLASSROOMS
- 5 PERIODS PER DAY
- 1 PREP PERIOD/TEACHER
- 24 MAXIMUM CLASSES
- 80% EFFICIENCY

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- 5 CLASSROOMS
- 5 PERIODS PER DAY
- NO PREP IN CLASSROOM
- 25 MAXIMUM CLASSES
- 100% EFFICIENCY

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## Learning from Pilot Programs

- **Office Sharing & Furniture**
- Teacher Work Space
- Classrooms assigned by course
- Student Lockers by Request
- Decentralized cafeteria space



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## Learning from Pilot Programs

- Office Sharing & Furniture
- **Classroom Efficiency & Teacher workspace**
- Student Lockers by Request
- Decentralized cafeteria space



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## Learning from Pilot Programs

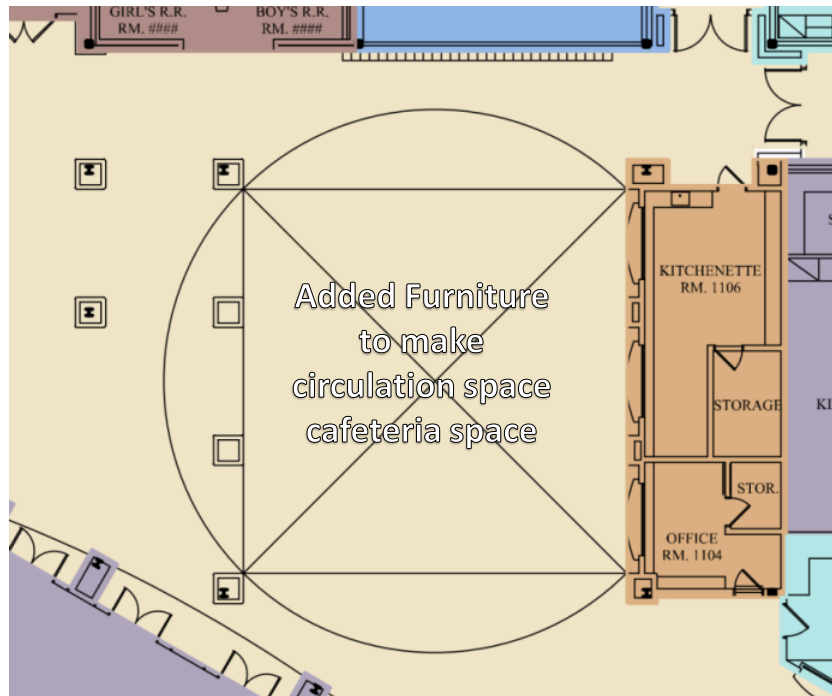
- Office Sharing & Furniture
- Classroom Efficiency & Teacher workspace
- **Student Lockers by Request**
- Decentralized cafeteria space



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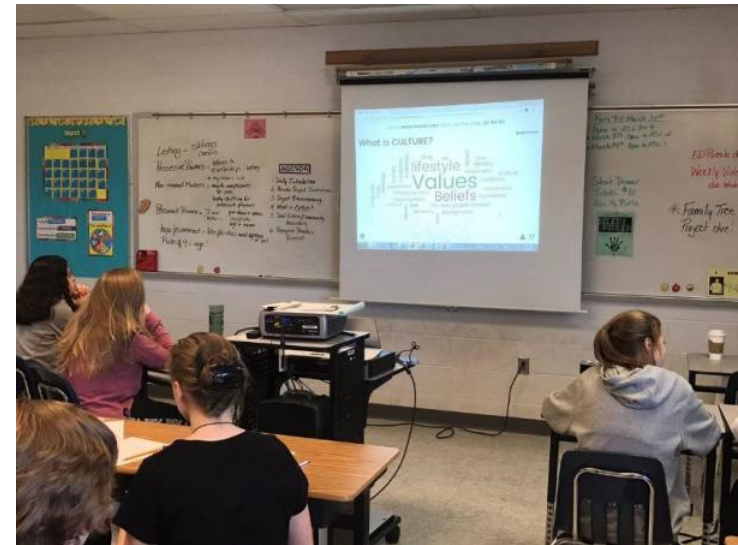
## Learning from Pilot Programs

- Office Sharing & Furniture
- Classroom Efficiency & Teacher workspace
- Student Lockers by Request
- **Distributed cafeteria space**



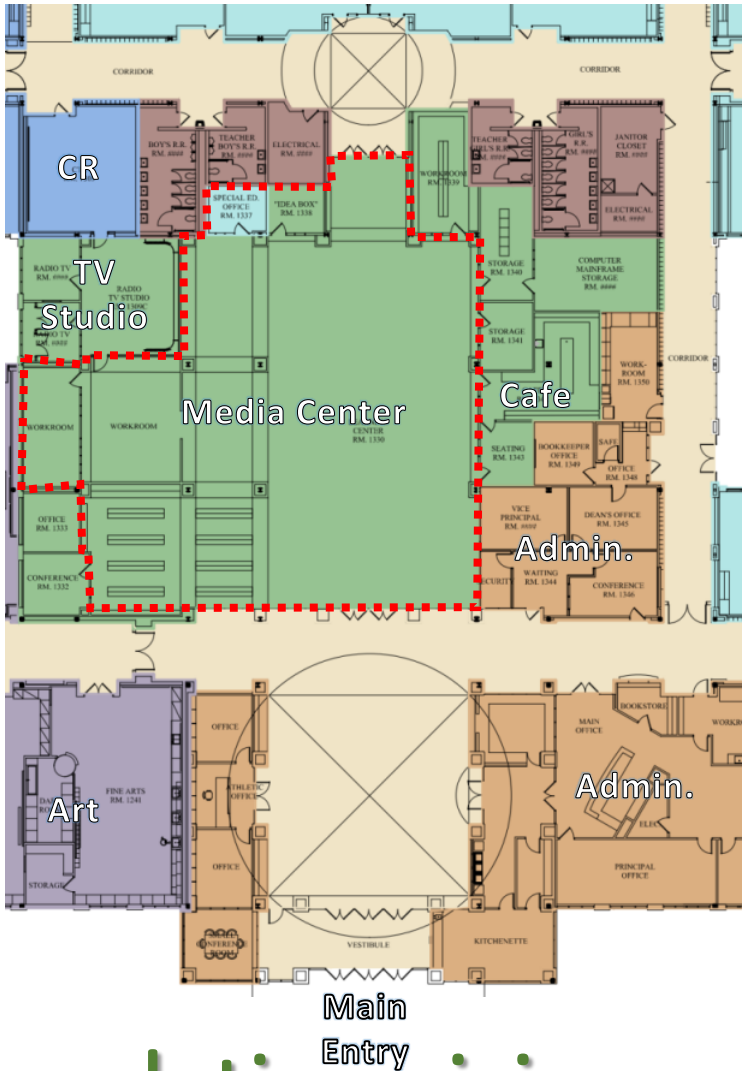
## Maximizing Existing Space

- Using space not ideal for instruction
  - Steele drum course in auditorium sound booth
  - Renovating under utilized media center space
  - Converting black box theatre into LGI
  - Expanding weight room into adjacent classrooms
- Creating Space through Efficiency
  - Art
  - Science



## Maximizing Existing Space

- Media / 'Innovation' Center



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## Maximizing Existing Space



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## Maximizing Existing Space

Media / Innovation Center



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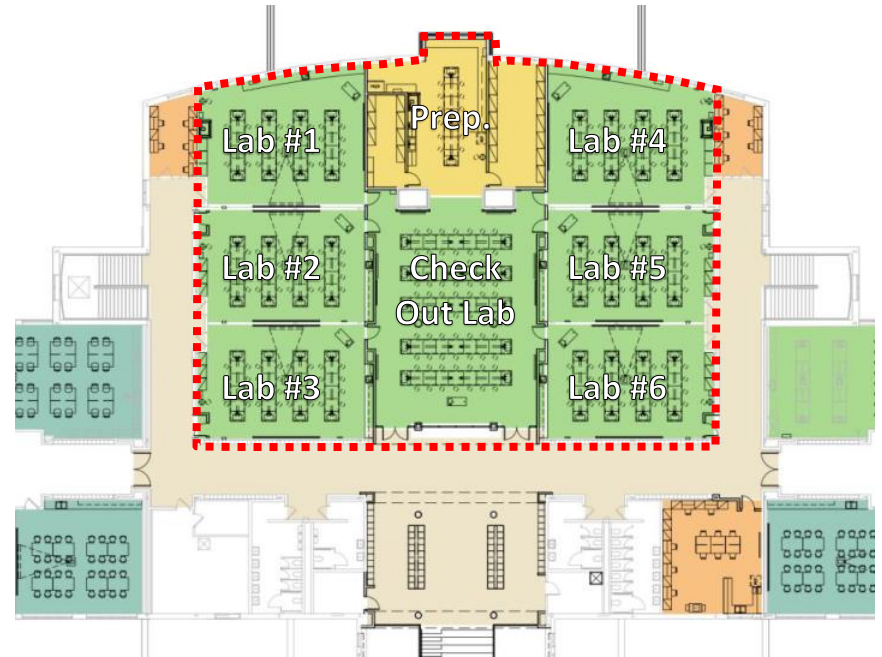
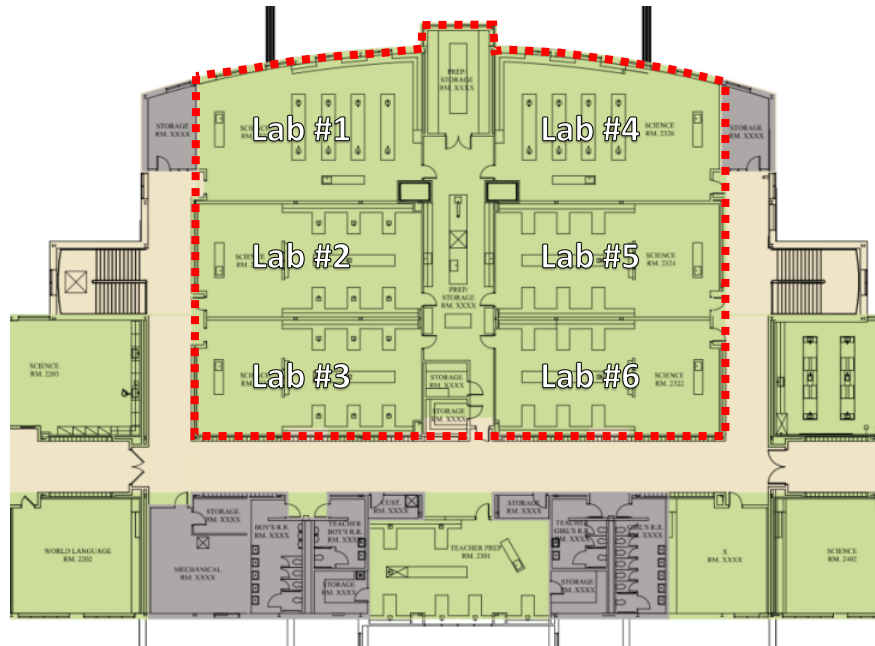
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## Maximizing Existing Space

- Science

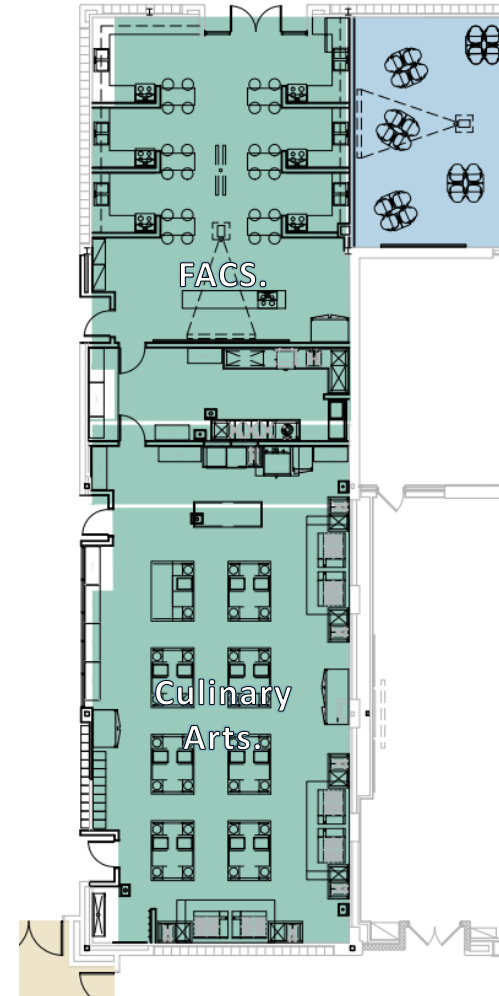
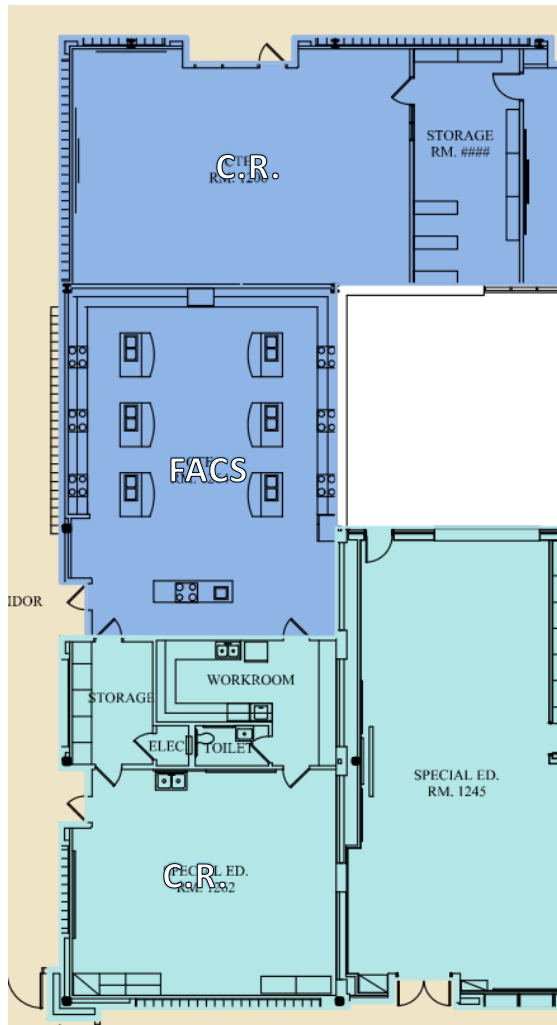


- Production Lab Re-use



## Maximizing Existing Space

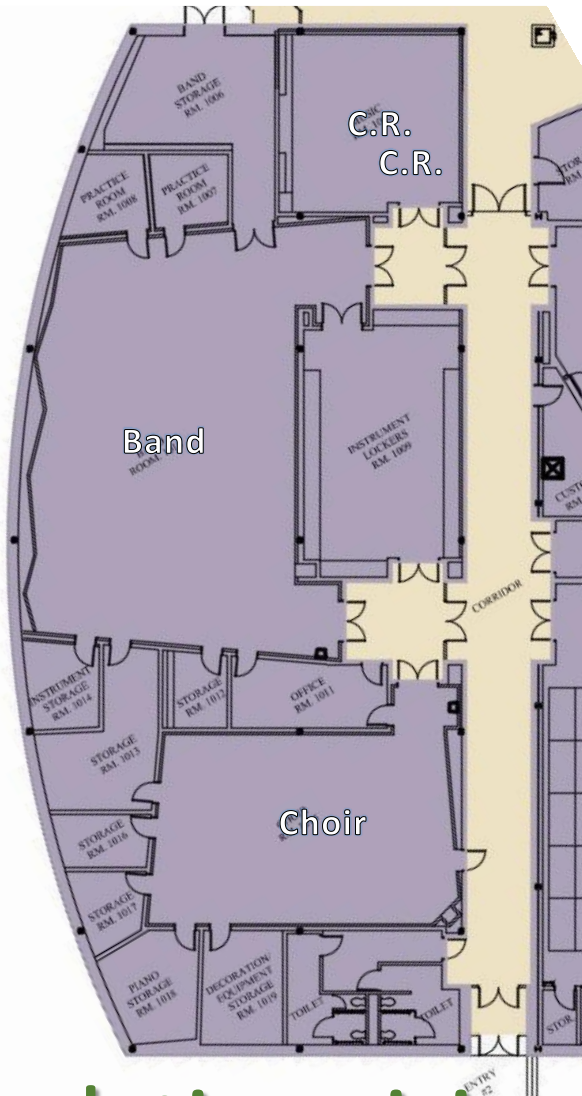
- Culinary Arts/FACS



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## Maximizing Existing Space

- Performing Arts

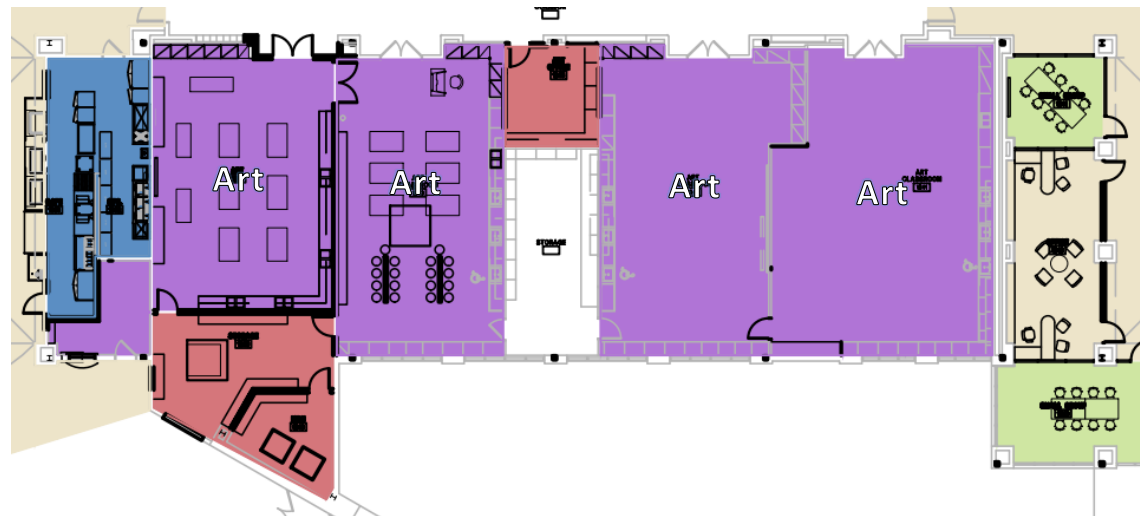
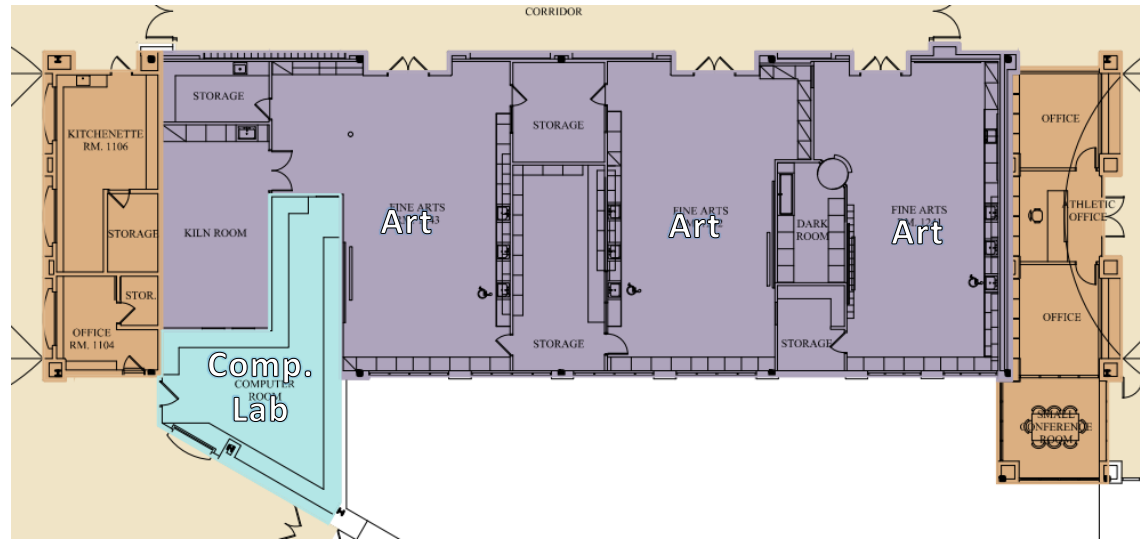


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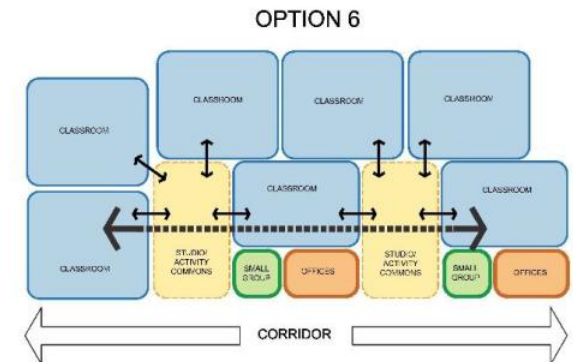
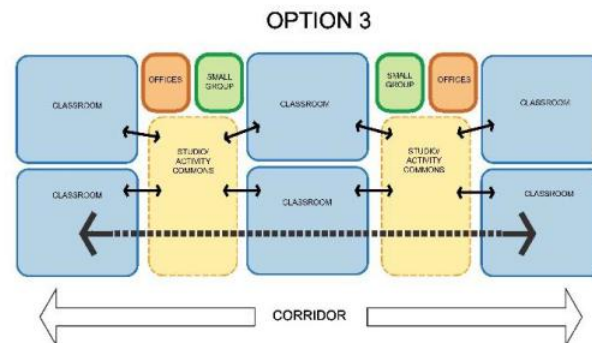
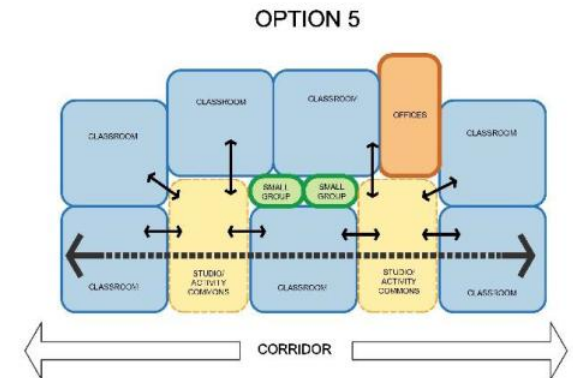
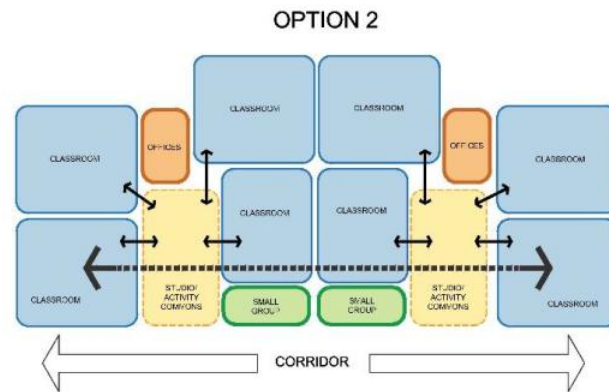
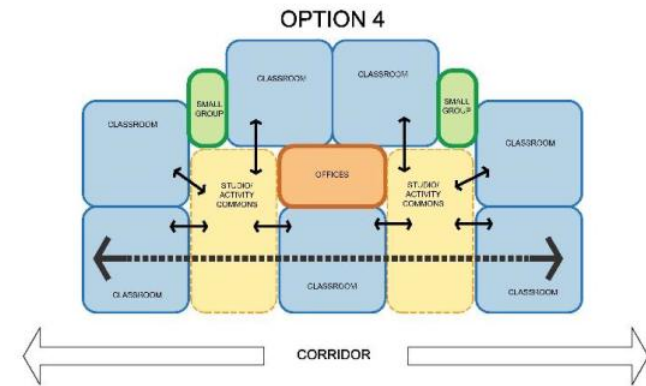
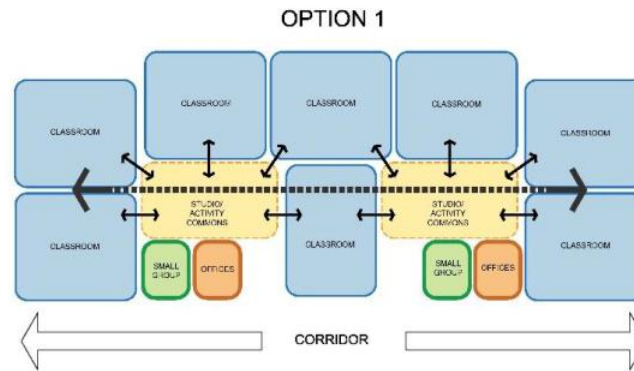
## Maximizing Existing Space

- Fine Arts



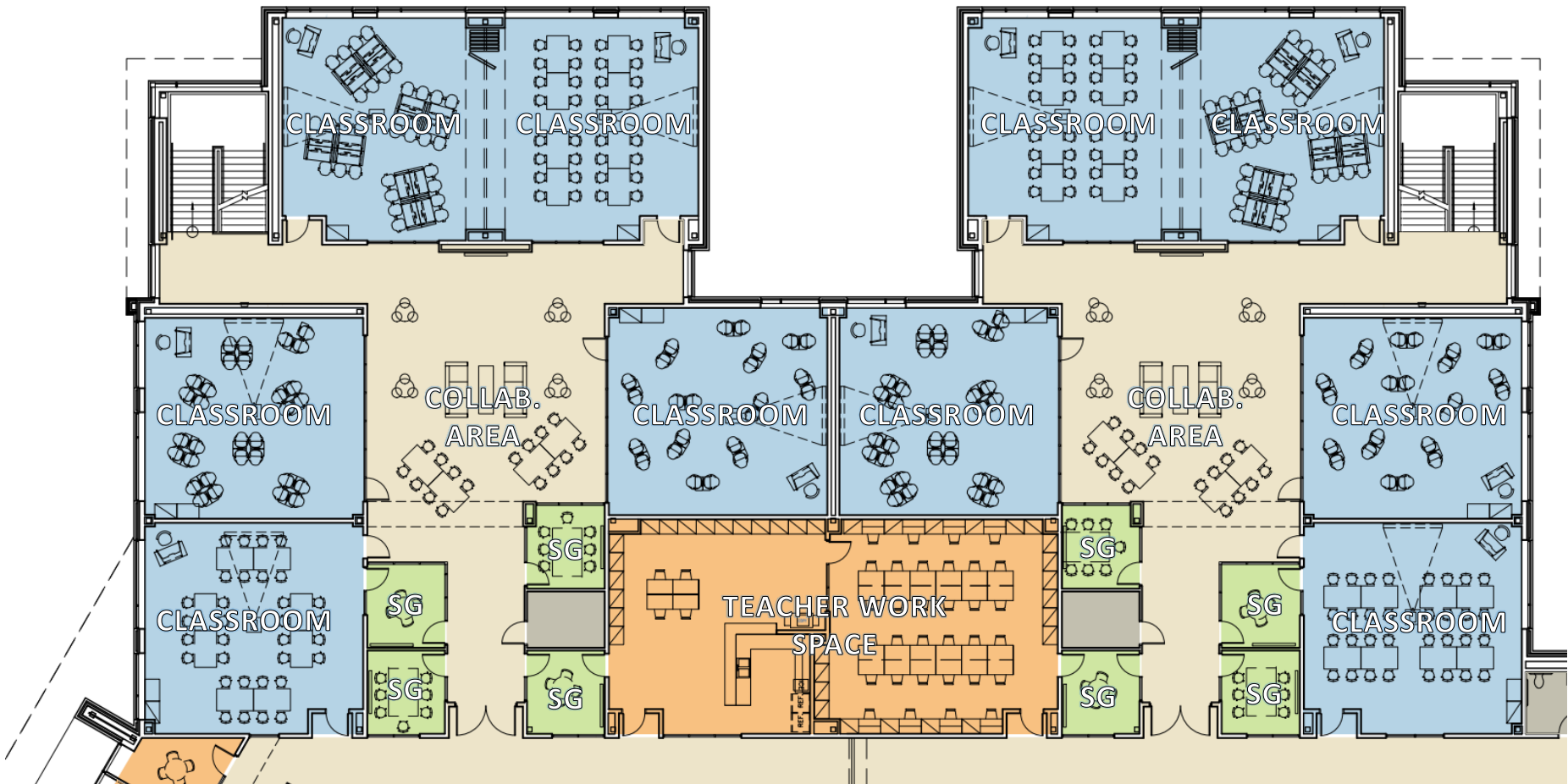
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## Creating New Space



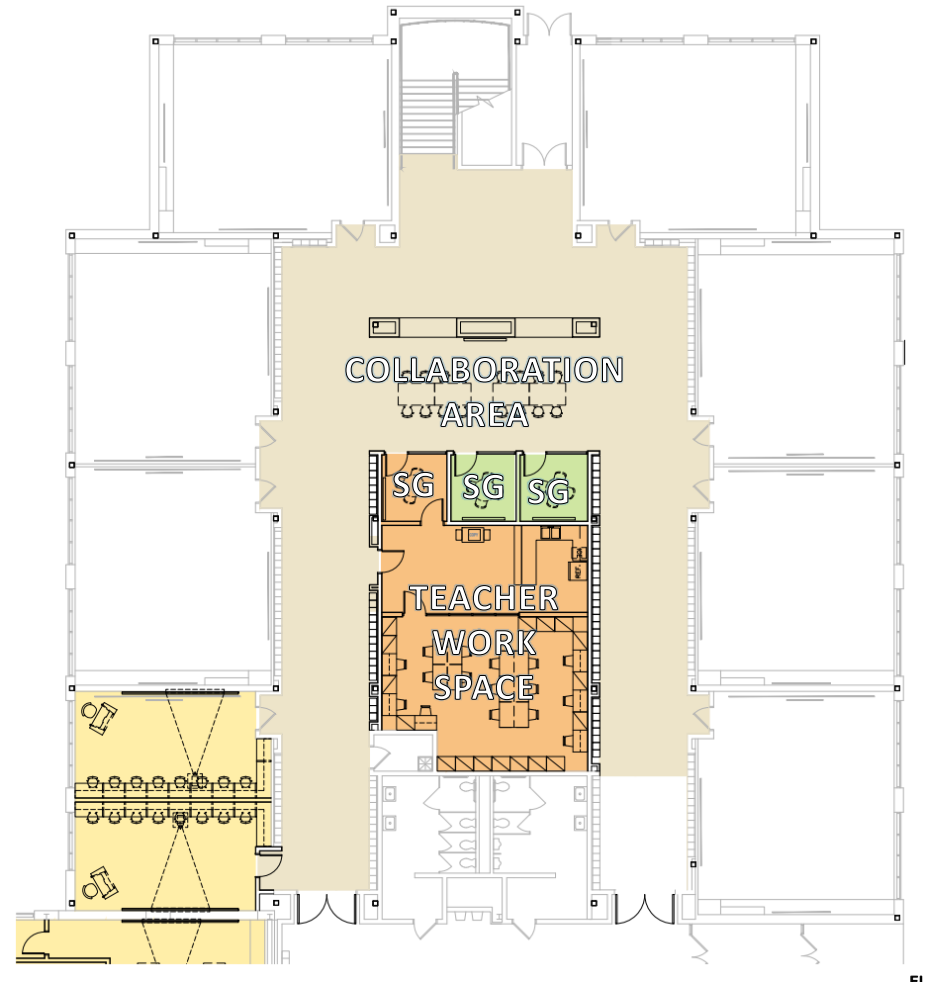
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## Creating New Space



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## Creating New Space



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## Teacher Work Space



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## Designing New Space

- First Floor Plan










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## Designing New Space

- First Floor Plan

LEGEND	
	CLASSROOMS
	CTE CLASSROOMS
	SMALL GROUP ROOMS
	FACULTY / OFFICES
	STUDIO / ACTIVITY COMMONS
	PERFORMING ARTS
	PERFORMING ARTS SUPPORT



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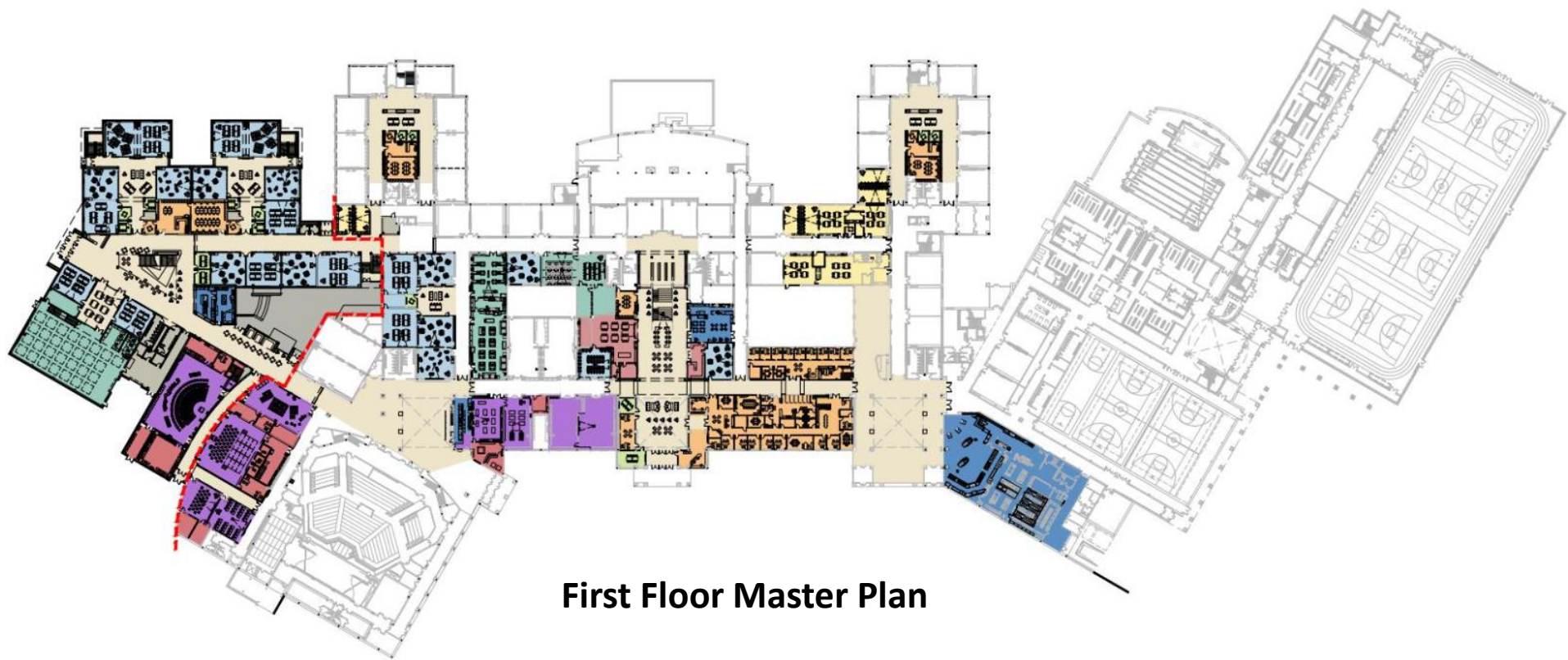


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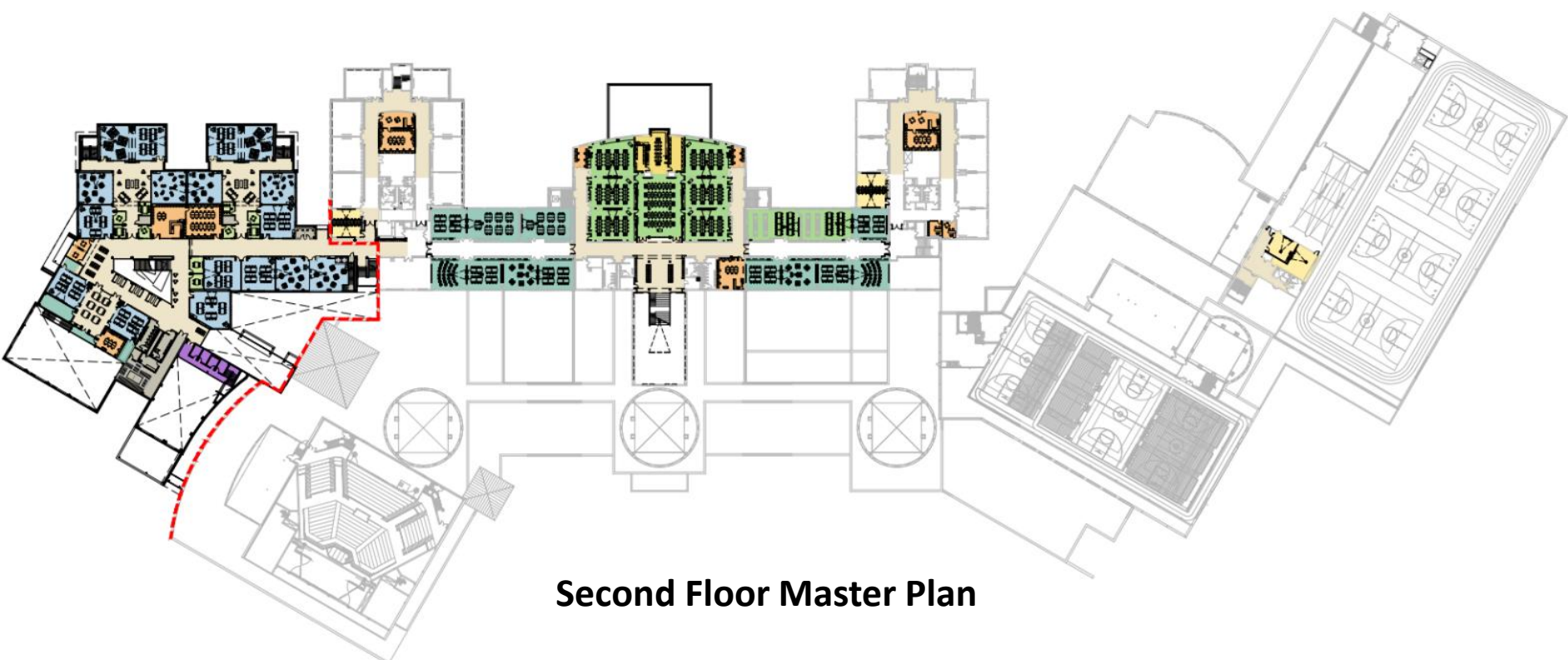
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**First Floor Master Plan**



**Second Floor Master Plan**





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## Future Innovation

- Changes to Programming
- Flexible Scheduling for Students
- Extended & Flexible School Day
- COOPs & Internships



# enabling innovation

# Closest to Classroom

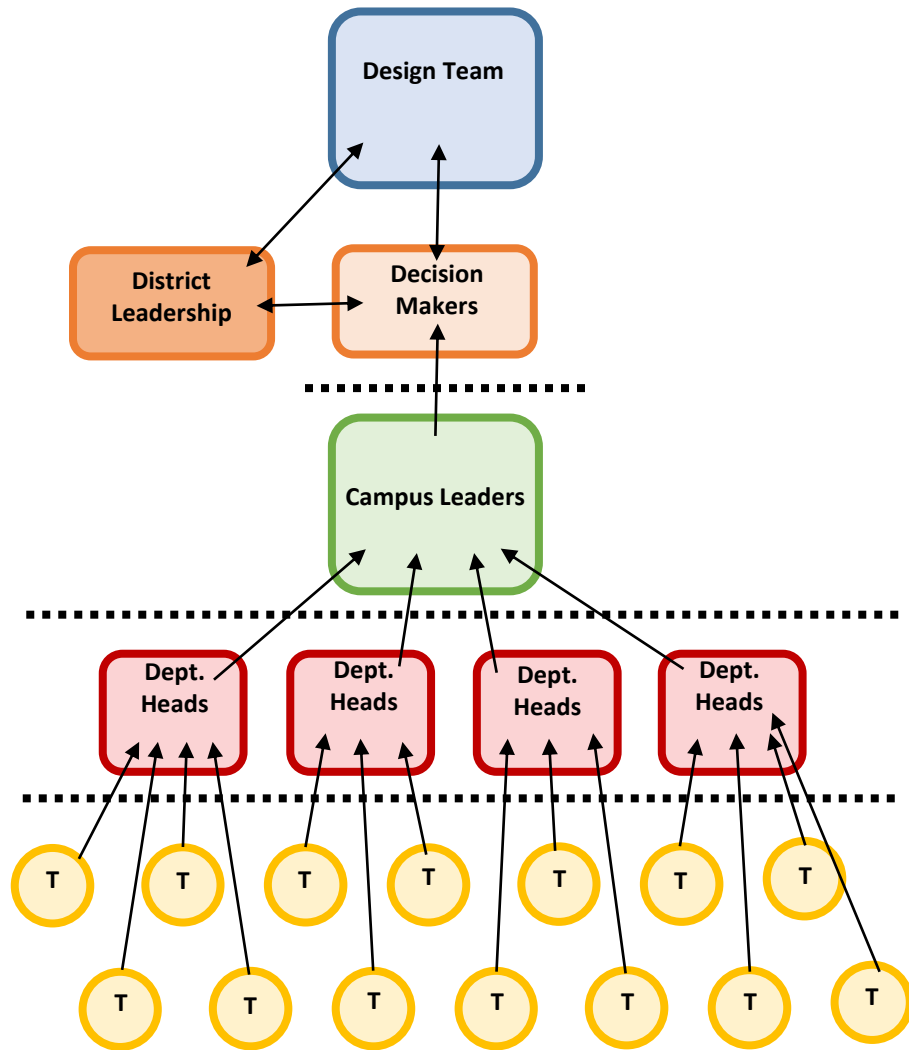
How changes to instructional delivery can provide much needed space in a crowded or growing school.



# Thank you!

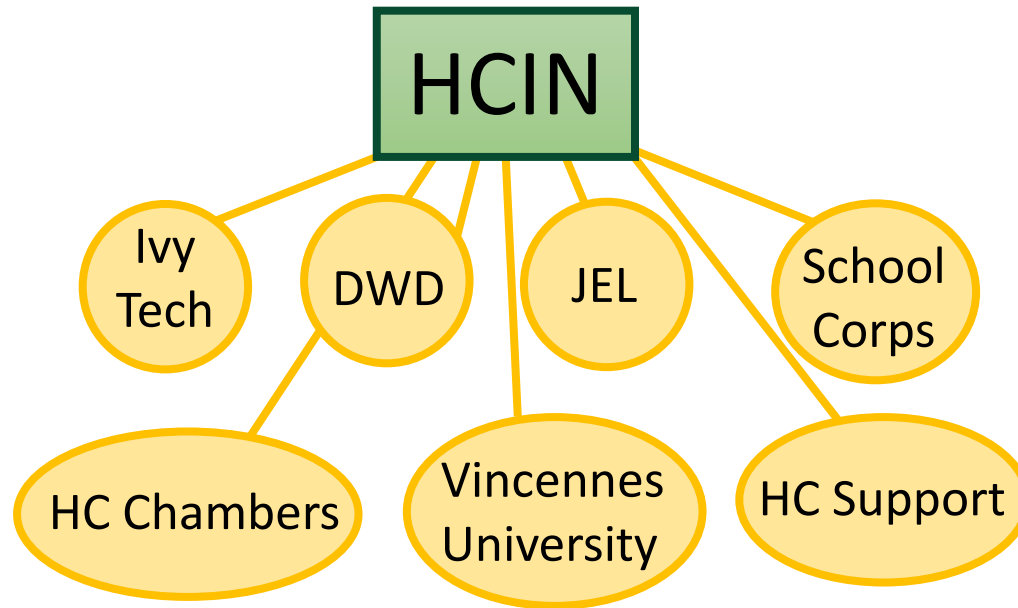


## GATHERING INPUT, BUILDING CONSENSUS, & ENSURING BUY-IN



# developing vision





### HCIN

Dan Clark

### AML

Conerus  
JMMI  
All Test  
Stand Lock  
Ball Systems  
Westfield Steel

### Construction

BAGI  
Arbor  
Rymen  
Custom Concrete  
Islay Plumbing  
Bentner Electric

### Hosp/Tour

HCT1  
Park 100  
Grand Park  
Hampton Inn  
Ritz Charles

### Ent/Innov

Chamber  
Next Tech  
TCC

### Health

Riverview Health  
Cooper Trace  
Harper Village