



A4LE MIDWEST REGION CONFERENCE – 05.02.24

# EMPOWERING STUDENT ENGAGEMENT

The Power of High School Career & Technical Programs



# INTRODUCTIONS

---



**Dr. Charlie Belt**  
Assistant Superintendent  
of Operations

*Blue Springs  
School District*



**Andy Mayfield**  
Director of the Career  
Innovation Center

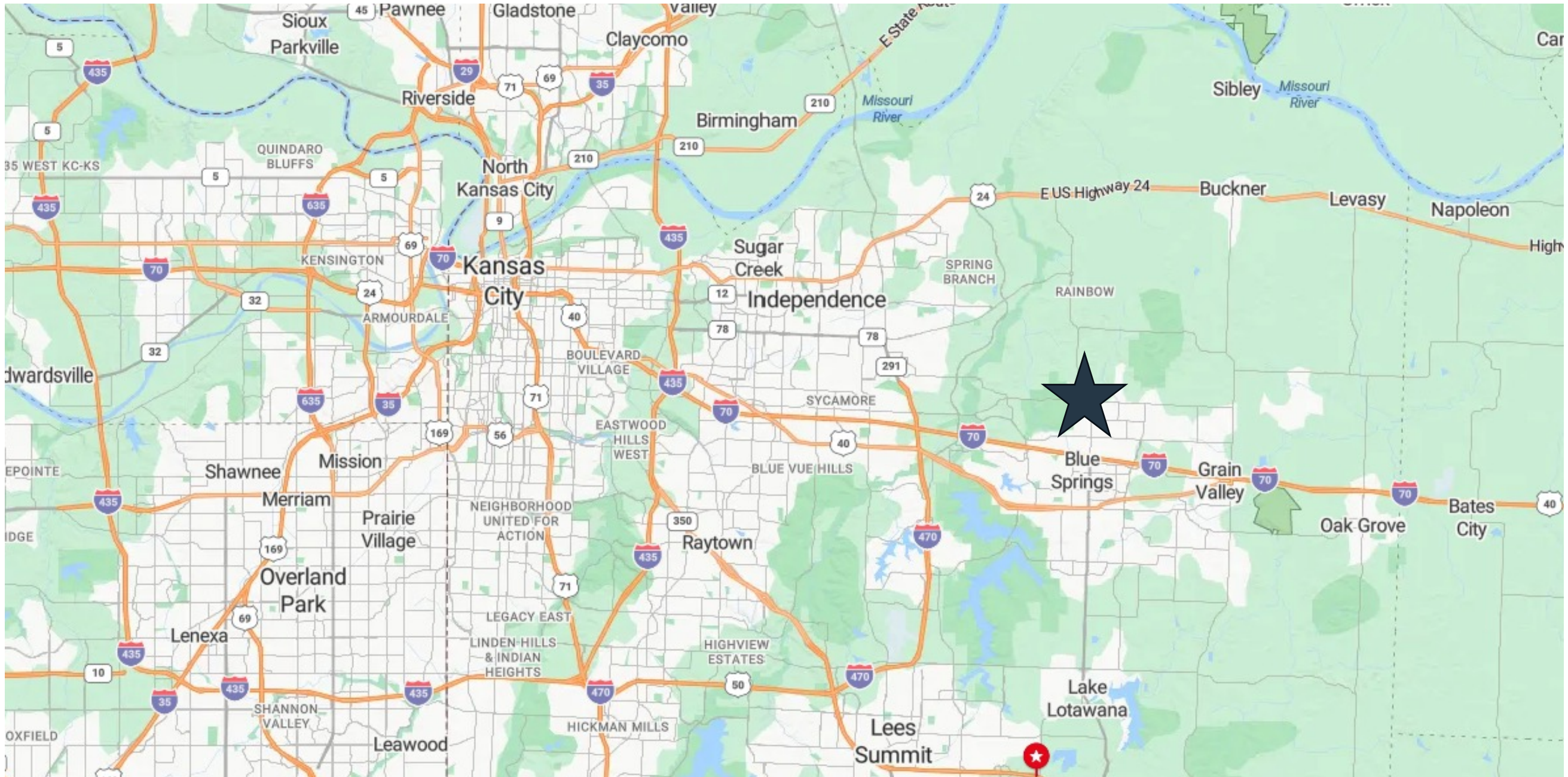
*Blue Springs  
School District*



**Chris Koch**  
Senior Project  
Architect

*Hollis + Miller  
Architects*





# BLUE SPRINGS DISTRICT RELATIVE TO KC



# BLUE SPRINGS SCHOOL DISTRICT



# FRESHMEN CENTER ADDITIONS



**The Career Innovation Center is a career centered school that focuses on profession-based learning to help prepare students for career and college through multiple Real World Learning opportunities**

CIC POTENTIAL PROGRAM	
Space Type	Program Square Footage
Industrial Tech	5,100 SF
Culinary Arts	7,800 SF
Aviation	7,500 SF
Health Sciences	4,700 SF
Agriculture	4,700 SF
Gaming	6,000 SF
Emergency Response	6,800 SF
Engineering	7,300 SF
Computer Science	7,300 SF
Microsoft Center	7,100 SF
<b>TOTAL</b>	<b>64,300 SF</b>

**WHAT IS THE VISION FOR THE CIC?**



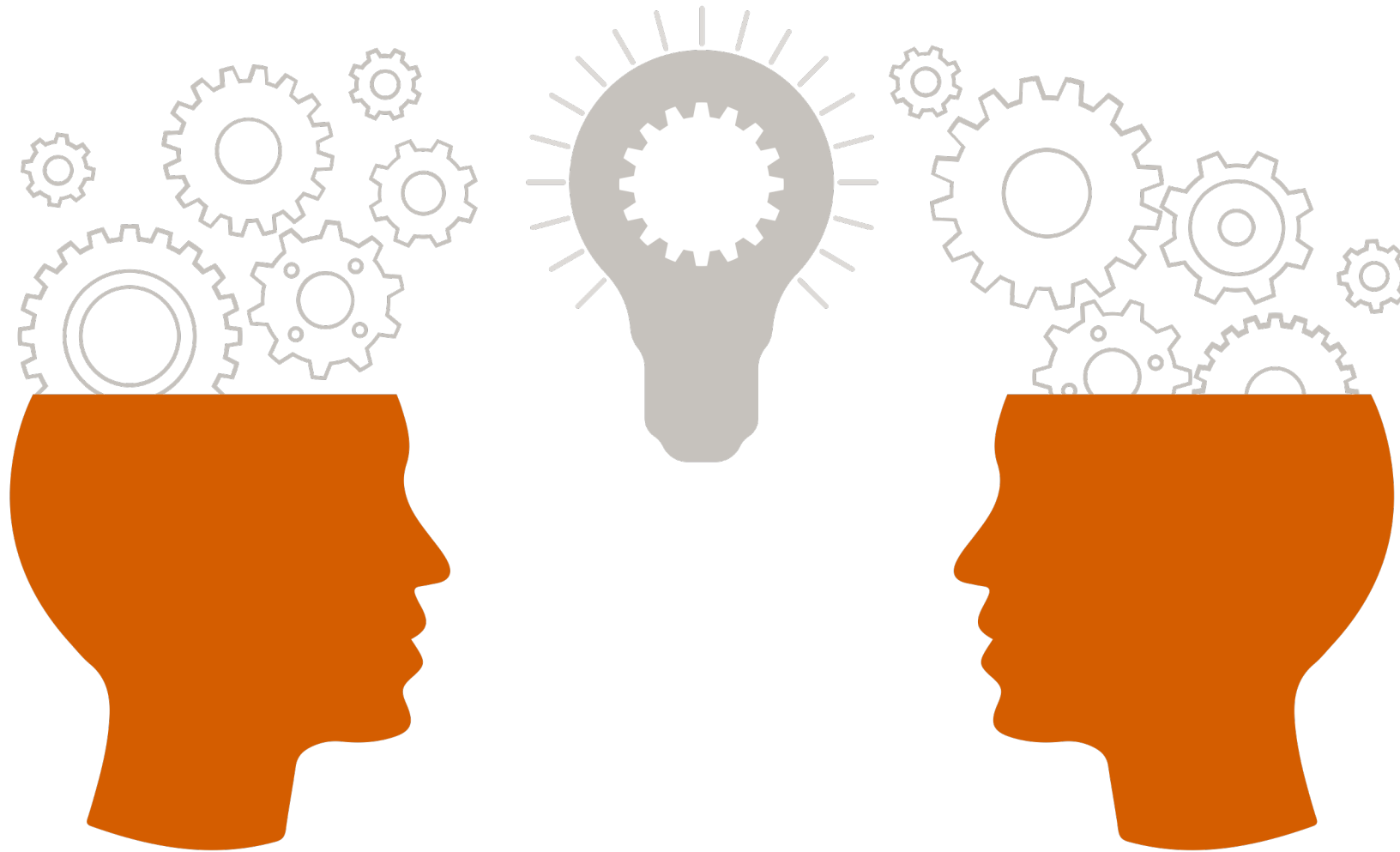
---

# COLLECTING DATA





**Design  
Experts**



**Education  
Experts**

**CO-CREATE**



## HOW DO YOU SEE CIC IN 15 YEARS?

Vital partnership of E. Jack Chambers of Commerce	Provides opportunities for our community along with our students	Key component of FT. O, GV, OG	Cornerstone of the District	Where high school is seen as reimagined and done different/modern	place our students look to attend starting during their elementary years	600+ student
developing the future workforce	15 years: comprehensive high school unique in that it offers an array of courses that may not be offered at the two high schools 400 kids	a place/ space used by our community	place for innovation	partnerships huge ; tbd	500 students	services 500-600 students on a daily basis

## WHAT ARE YOUR GOALS FOR CIC?

having a variety of career paths to meet the needs of all students	partnerships unique; innovative program offering comprehensive high school	build a brand that isnt there yet	the districts center for community partnerships for out districts robust internship program	space for community and partners to utilize	programs our students want to explore in high school and maybe middle school	short term; center / hub for business partners engagement
--	--	-----------------------------------	---	---	--	---

## WHAT BENEFITS ARE YOU EXPECTING A CIC STUDENT TO GRADUATE WITH?

real world experience in their field	trades, skills, recognized credentials - making them employable	skills essential to success in today's workforce/ college	programs really focus and help students with "essential skills" that are needed to be successful post high school	experiences with projects/ community partners embedded with curriculum	earn IRC (?) or other credentials that will set them up for success post high school	experiences in the field
deeper knowledge in field	creating and experimenting are normal	creates passion and drive with the students	experienced what it truly means to be collaborative	real world learning	hub for RWL	



## WHAT IS THE INTENT?

## WHAT DOES CIC MEAN TO STUDENTS?

Meaningful,  
challenging,  
fun

opportunity

accountability

an exciting +  
comfortable  
place where  
students can  
thrive

it is high school  
but it "doesn't  
feel like what  
the thought of  
high school"

those students that  
are goal driven/  
already on career  
path opportunity  
to dive deep into a  
passion

school  
that is  
useful

career focused  
and helps them  
advance their  
career search

provides  
opportunities  
they normally  
would not have

## WHAT DOES CIC MEAN TO THE DISTRICT?

cornerstone  
of one of the  
pillars that  
support BSSD

location of pride  
students that  
graduate with skill  
stay in the  
community

leader  
among  
districts in  
kc area

provides  
programs for all  
students and  
gives all students  
opportunities

staff could  
use space  
after hours for  
treams/clubs

HS students  
become mentors  
for middle school  
and elementary  
projects

helps students  
find their passion  
and their "why"  
before they leave  
high school

## WHAT DOES CIC MEAN TO THE COMMUNITY?

ensures BSSD  
and city of Blue  
Springs stays  
as destination  
district/ city

community that  
other communities  
look to as a model  
for a successful  
partnership

next level  
partnerships

shops/ spaces  
the community  
can use and  
support RWL

a place where  
community  
partners want  
to give back and  
support the CIC

## WHAT IS THE IMPACT?



## WHAT ARE THE DEFINING FEATURES OF CIC?

forward,  
open and  
professional

has its  
own brand  
or identity

welcoming  
and cool

the hub -  
busy, active  
and engaged  
students

professional  
learning  
occurs at  
CIC

looks like a  
modern day  
work  
environment

collaborative  
spaces that are  
visual (?) for  
everyone that  
walks around

## HOW WOULD A STUDENT SELL THE CIC TO A PROSPECTIVE STUDENT?

share their  
experiences  
through  
their passion

specific  
experiences,  
stories and  
events that are  
part of their class

nothing  
like regular  
school

## HOW WOULD AN EDUCATOR SELL THE CIC TO A PROSPECTIVE STUDENT?

opportunity  
to build a  
network for  
the future

getting out  
into the real  
world with  
real projects

the space  
is  
awesome

see a different  
side of school  
and different  
side of their  
teachers

wheel to  
jumpstart  
the rest of  
their lives

opportunity to deep  
dive into an interest  
area  
  
design does not look  
or feel like a  
traditional high school

# OUR BELIEFS CAREER INNOVATION CENTER

# BLUE SPRINGS SCHOOL DISTRICT



## LEARNING WILL BE...



### RELEVANT AND ENGAGED

Students engage in learning when given voice and choice to discover their passions by exploring various career centered subject areas. Interaction with industry members provides learners an insight into the future culture they could soon be a part of.

#### SUPPORTIVE ENVIRONMENTS SHOULD

Immerse learners in simulated, real-world experiences across a variety of subjects. Spaces should support students' communication and connection with professionals and peers through physical and digital methods to further their future-ready skills.



### INNOVATIVE

Students will grow within an environment that supports failure as part of the learning process. Because they are empowered to explore without the fear of failing, students will be inspired to grow a deeper knowledge of learned content.

Inspire learners to work with one another and seek out the strengths of their peers. With resources and technology at their fingertips, learners should feel confident in their ability to test new theories and ideas each day in a myriad of formal and informal learning spaces.



### CHALLENGING

When students are growing, they are more engaged. CIC students will be challenged to engage their critical thinking and problem-solving skills as they individually or with peers create solution sets to real world issues.

Challenge learners by providing a variety of spaces that support various learning experiences. Displaying learning moments, thought processes, and finished products reflect the learning journey and celebrate student perseverance and pride.

## STAFF WILL FEEL EMPOWERED TO...

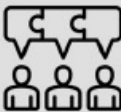


### TAKE RISKS AND TRY NEW THINGS

Teaching is a creative journey, encouraging growth in both the teacher and student experience. As life-long learners, the learning culture should support teachers' exploration of new approaches to content delivery as a means to personal and student growth.

#### SUPPORTIVE ENVIRONMENTS SHOULD

Encourage staff to step out of their comfort zone by providing various learning space configurations that meet teachers where they are in their teaching journey. Taking risks is more likely to happen in unique and inspiring environments, spaces teachers are encouraged to learn in themselves.



### ENGAGE RESOURCES AROUND THEM

Every voice should contribute to a collaborative learning culture. We are better together than we are as individuals.

Dissolve barriers by creating collaborative spaces for educators to work in beyond assigned classrooms. Foster staff collaboration and connections with spaces that are comfortable, inspiring, and welcoming to visiting industry or community members.



## WHAT WILL MAKE THIS SCHOOL A GAME-CHANGER FOR THE COMMUNITY?

Rethinking the visitor experience starts at the front door. Deliberately breaking preconceived notions about school experiences of the past, CIC lends its self to that of a real working environment. Clear wayfinding and ease of travel throughout the building allows for the school to function as a comfortable community resource that welcomes students, staff and visitors alike. CIC becomes a hub of resources for all of Blue Springs and the surrounding area.

## STUDENTS WILL BE

## STAFF WILL BE

### CHALLENGED

Community partners work with students to create an environment where students solve meaningful problems.



### EMPOWERED

Great kids come from great adults who feel supported to drive positive risk taking.

### ENGAGED

Without a large scale commitment, students are encouraged to explore their interests while building future-ready career skills.



### CONNECTED

The ability to partner with community and industry experts creates a network of opportunity for all to benefit from.

### INSPIRED

Students are challenged to solve real world problems providing a sense of relevancy to the work they do each day.



### VALUED & APPRECIATED

A positive work environment leads to motivation and the willingness to go above and beyond.



# BELIEF STATEMENT



## STUDENT INPUT

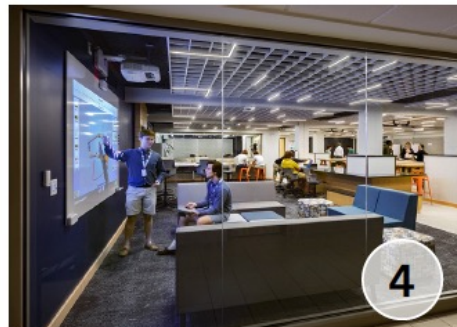
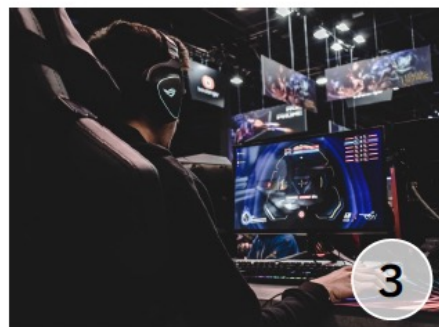
---

- Surveyed *76 Current Students*
- Juniors & Seniors
- Multiple High Schools
- Two Main Pathways
  - Health Science
  - Business Management & Technology



# STUDENT INPUT

Students were asked to select the top two spaces to support their learning expectations within their current program



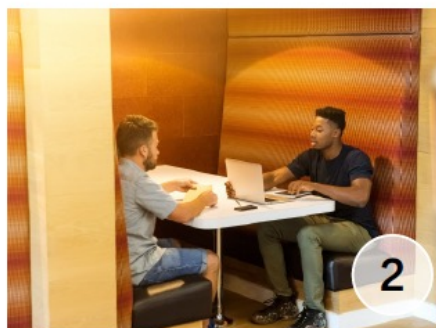




# LEARNING BEYOND THE CLASSROOM

---

Students ranked six images according to which they felt would be most supportive of their learning beyond the formal classroom



# LEARNING BEYOND THE CLASSROOM

## Business Management & Tech

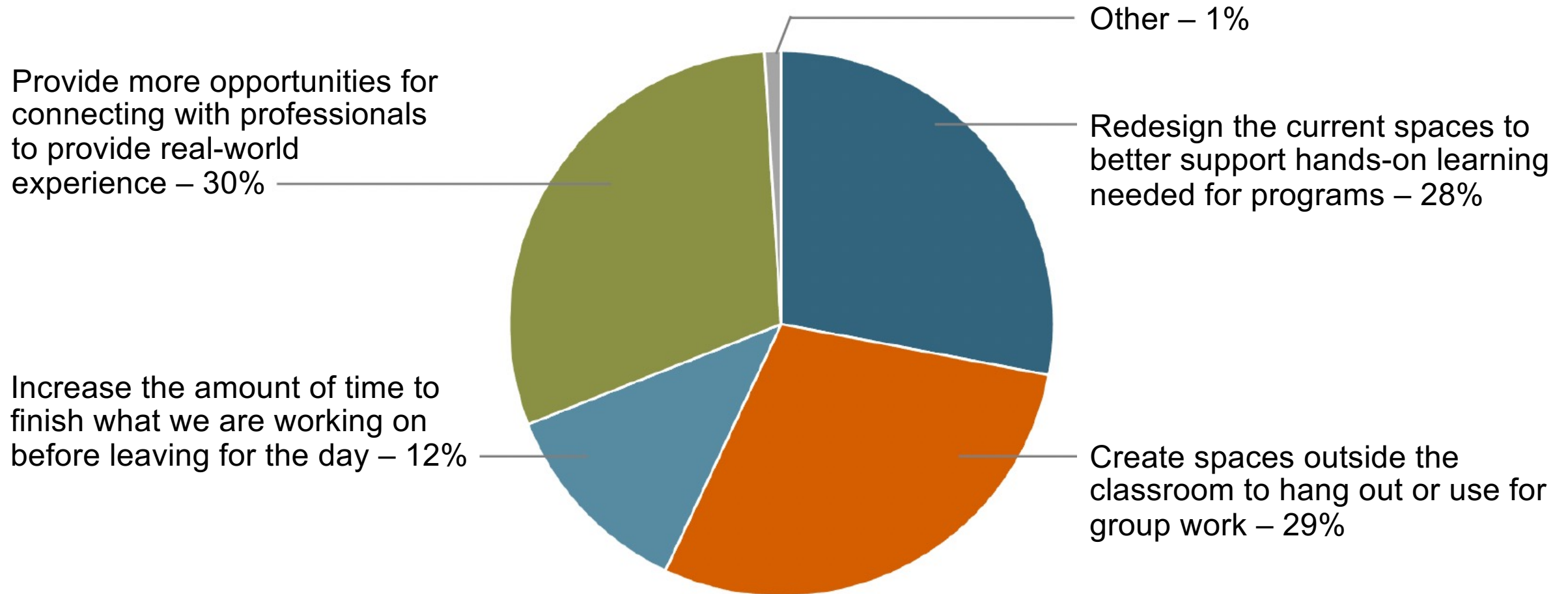


## Health Services



# FUTURE PROGRAM IMPROVEMENTS

---



# STUDENT RESULTS

- “Doesn’t look or feel like a traditional high school”
- “Professional”
- “Exciting & Comfortable”
- “Real-World Experience”
- “Collaborative”
- “Modern”



Comfortable & different group seating



Lounge chair with work surface



Variety of seating in collab zone

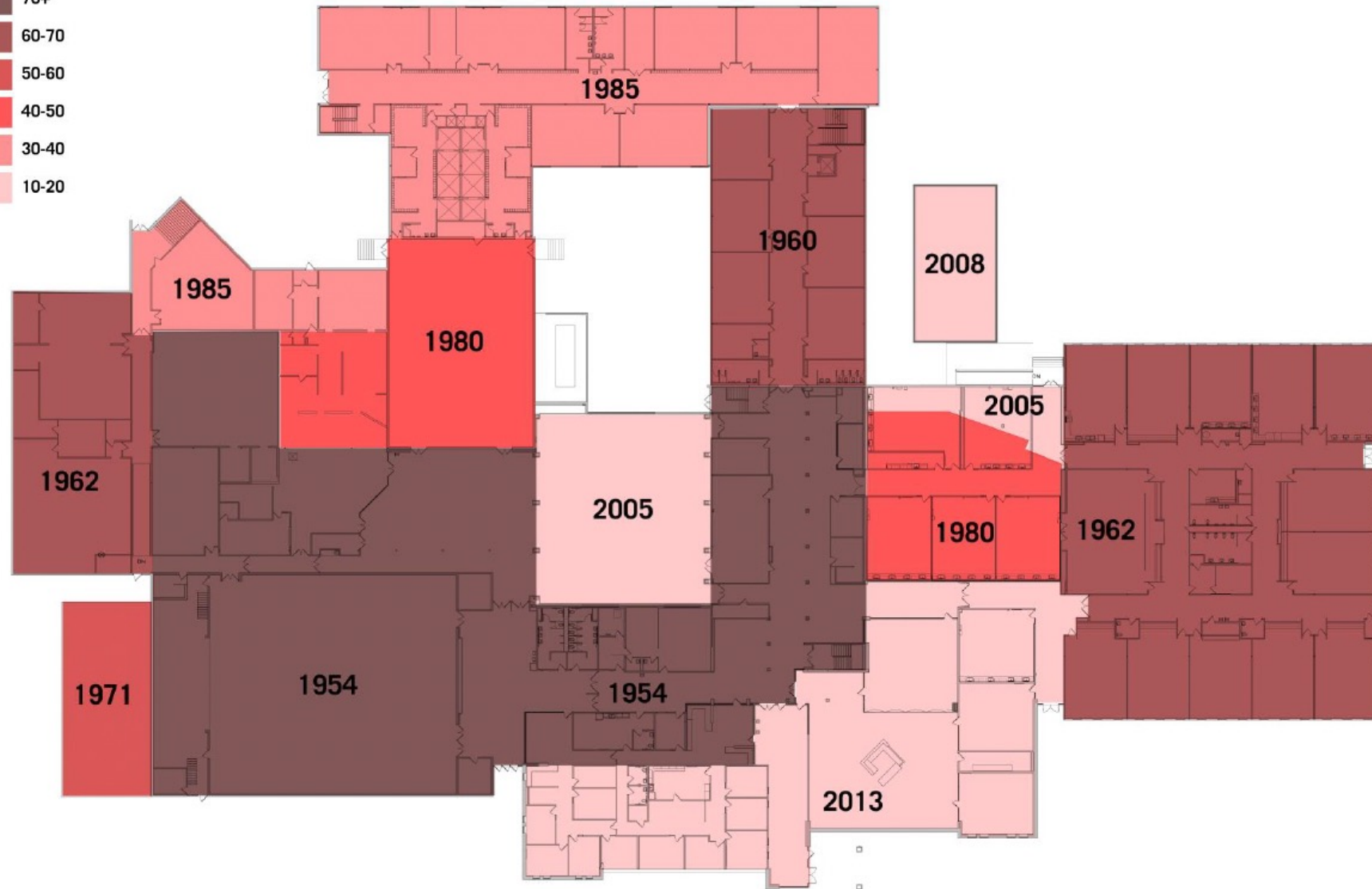
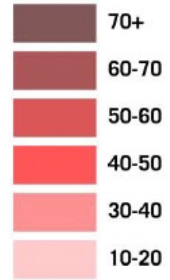
---

# THE DESIGN CHALLENGE





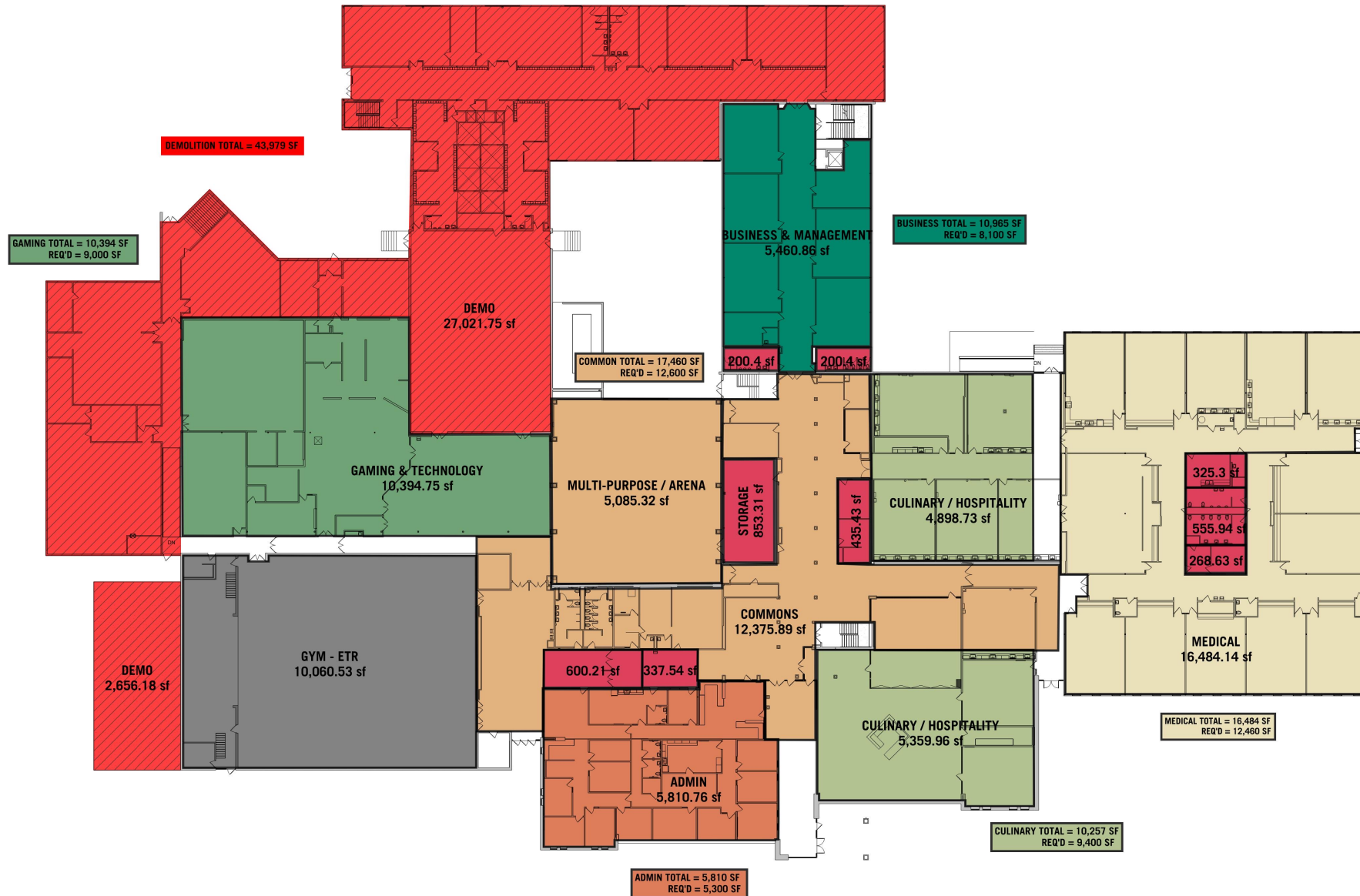
AGE OF STRUCTURE BY 2024





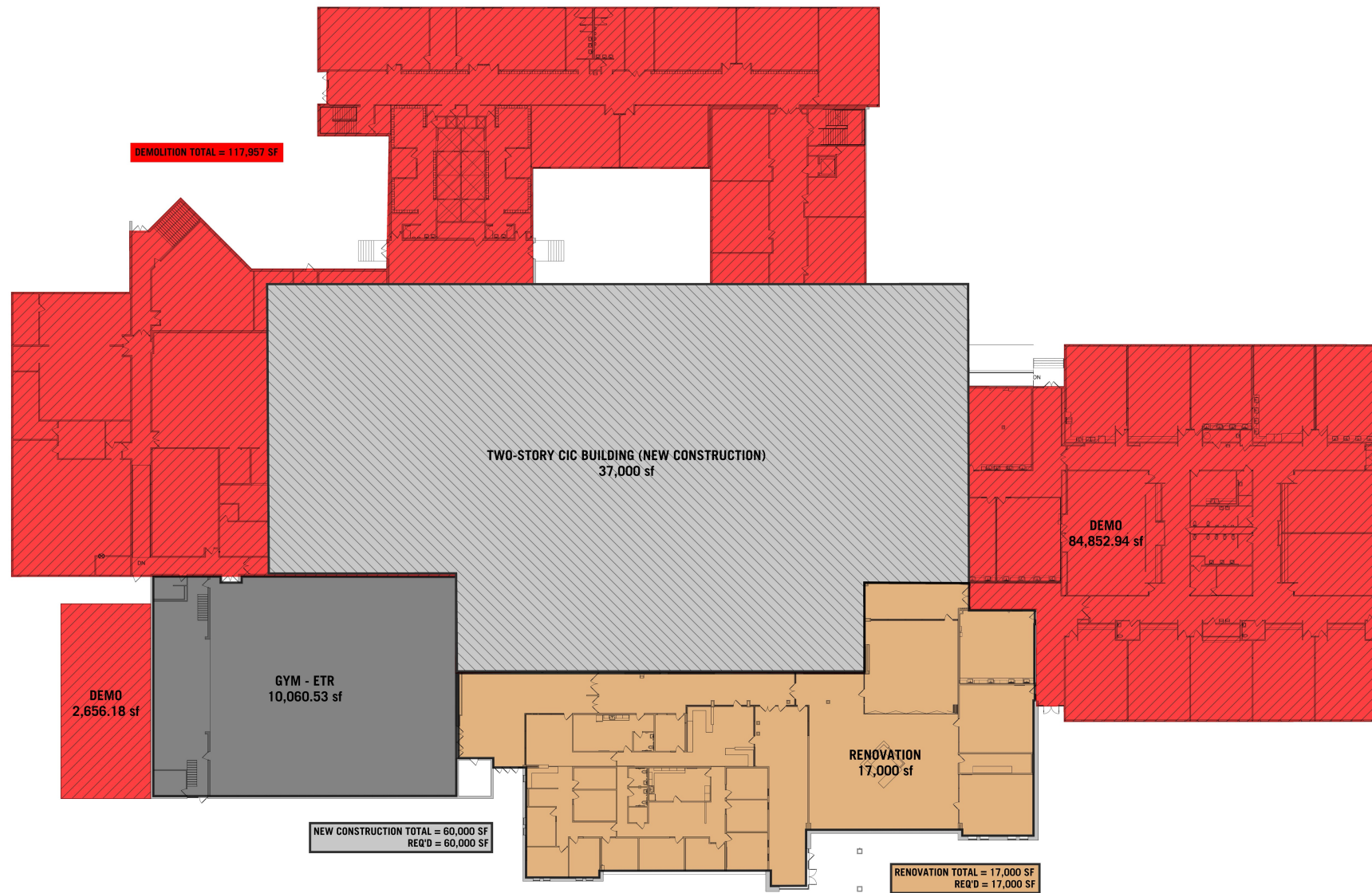
# PROGRAM DIAGRAM OPTIONS





# PROGRAM DIAGRAM OPTIONS





# PROGRAM DIAGRAM OPTIONS

		OPTION 1				OPTION 2				OPTION 3				OPTION 4			
<b>HARD COSTS</b> (per SF)																	
Reno - Extra Light	\$ 25	10,000	SF	\$ 250,000	10,000	SF	\$ 250,000	10,000	SF	\$ 250,000	10,000	SF	\$ 250,000	10,000	SF	\$ 250,000	
Reno - Light	\$ 50	-	SF	\$ -	-	SF	\$ -	-	SF	\$ -	-	SF	\$ -	-	SF	\$ -	
Reno - Medium	\$ 150	21,214	SF	\$ 3,182,100	10,895	SF	\$ 1,634,250	17,000	SF	\$ 2,550,000	-	SF	\$ -	-	SF	\$ -	
Reno - Heavy	\$ 250	62,802	SF	\$ 15,700,500	72,872	SF	\$ 18,218,000	-	SF	\$ -	-	SF	\$ -	-	SF	\$ -	
Reno - Light RR	\$ 270	1,695	SF	\$ 457,650	555	SF	\$ 149,850	-	SF	\$ -	-	SF	\$ -	-	SF	\$ -	
Reno - Medium RR	\$ 510	1,385	SF	\$ 706,350	800	SF	\$ 408,000	-	SF	\$ -	-	SF	\$ -	-	SF	\$ -	
Reno - Heavy RR	\$ 560	-	SF	\$ -	600	SF	\$ 336,000	-	SF	\$ -	-	SF	\$ -	-	SF	\$ -	
Reno - Façade	\$ 100	40,000	SF	\$ 4,000,000	35,000	SF	\$ 3,500,000	10,000	SF	\$ 1,000,000	5,000	SF	\$ 500,000				
New Construction	\$ 435	-	SF	\$ -	-	SF	\$ -	60,000	SF	\$ 26,100,000	75,900	SF	\$ 33,016,500				
Building Demolition	\$ 15	27,284	SF	\$ 409,260	43,979	SF	\$ 659,685	117,957	SF	\$ 1,769,355	138,439	SF	\$ 2,076,585				
Demolition Site	\$ 20	27,284	SF	\$ 545,680	29,677	SF	\$ 593,540	-	SF	\$ -	-	SF	\$ -				
New Sitework	\$ 50	75,000	SF	\$ 3,750,000	75,000	SF	\$ 3,750,000	120,000	SF	\$ 6,000,000	130,000	SF	\$ 6,500,000				
<b>TOTAL HARD COSTS</b>				<b>\$ 29,001,540</b>			<b>\$ 29,499,325</b>			<b>\$ 37,669,355</b>			<b>\$ 42,343,085</b>				
<b>SOFT COSTS</b>	25.00%			<b>\$ 7,250,385</b>			<b>\$ 7,374,831</b>			<b>\$ 9,417,339</b>			<b>\$ 10,585,771</b>				
<b>PROJECTED TOTAL COST</b>				<b>\$ 36,251,925</b>			<b>\$ 36,874,156</b>			<b>\$ 47,086,694</b>			<b>\$ 52,928,856</b>				



# PROJECTED COSTS

# CHALLENGES OF EXISTING

MEANDERING & DISJOINTED LAYOUT

AGING INFRASTRUCTURE

HAZARDOUS MATERIAL ABATEMENT

CODE DEFICIENCIES



# CHALLENGES OF EXISTING

MEANDERING & DISJOINTED LAYOUT

AGING INFRASTRUCTURE

HAZARDOUS MATERIAL ABATEMENT

CODE DEFICIENCIES

PURPOSE-BUILT SPACES

ROOM FOR GROWTH & FLEXIBILITY

MODERN AGE TECH & INFRASTRUCTURE

DIFFERENT THAN TYPICAL HIGH SCHOOL

# OPPORTUNITIES OF NEW





---

# THE NEW CIC







# THE NEW CIC



ENTRY



WORKFORCE



STAKEHOLDERS





# CULINARY & HOSPITALITY



# GAMING & TECHNOLOGY



# BUSINESS & MANAGEMENT



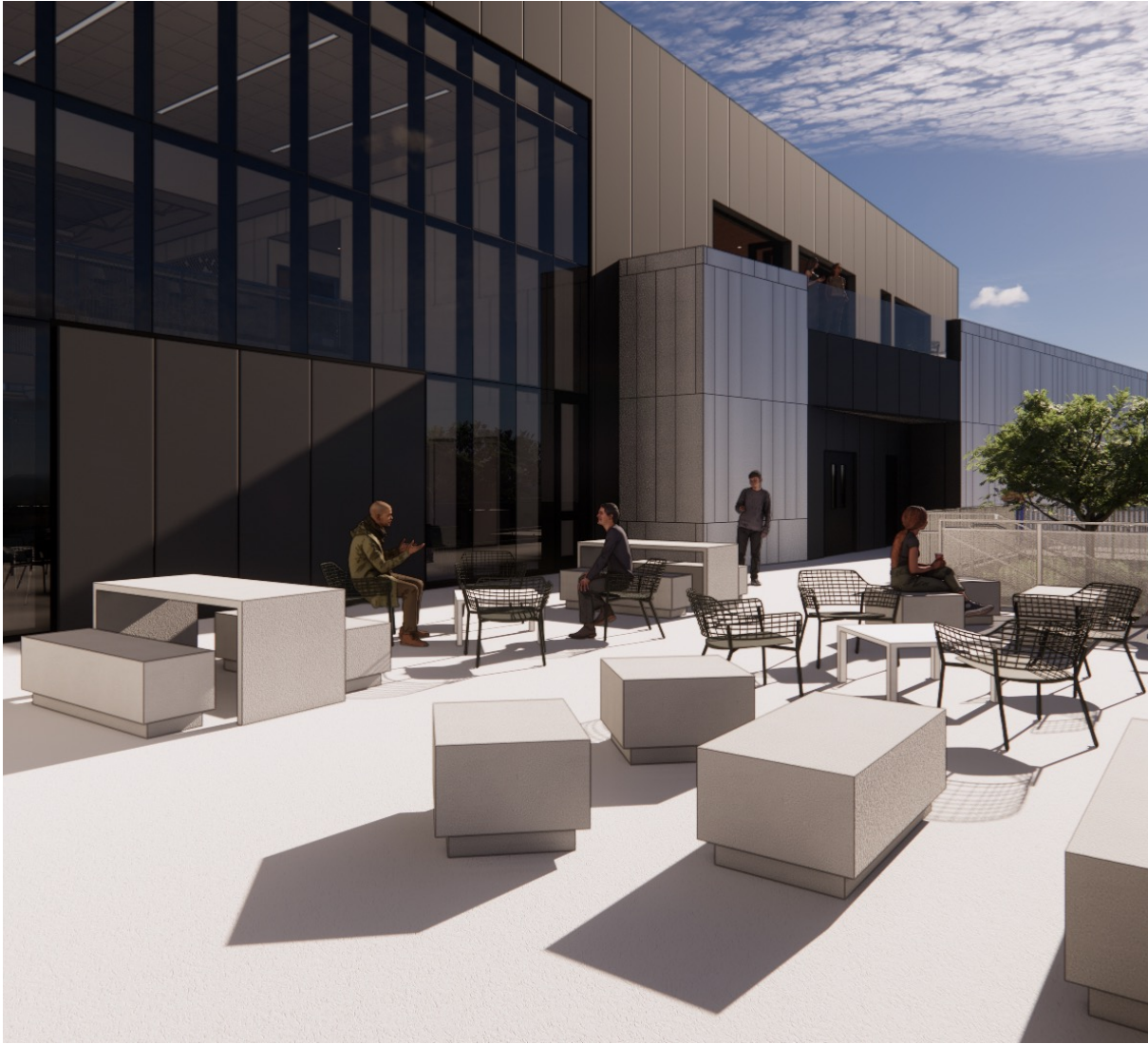
# MEDICAL & HEALTH SCIENCE







**MULTI-PURPOSE**



# OUTDOOR FLEX



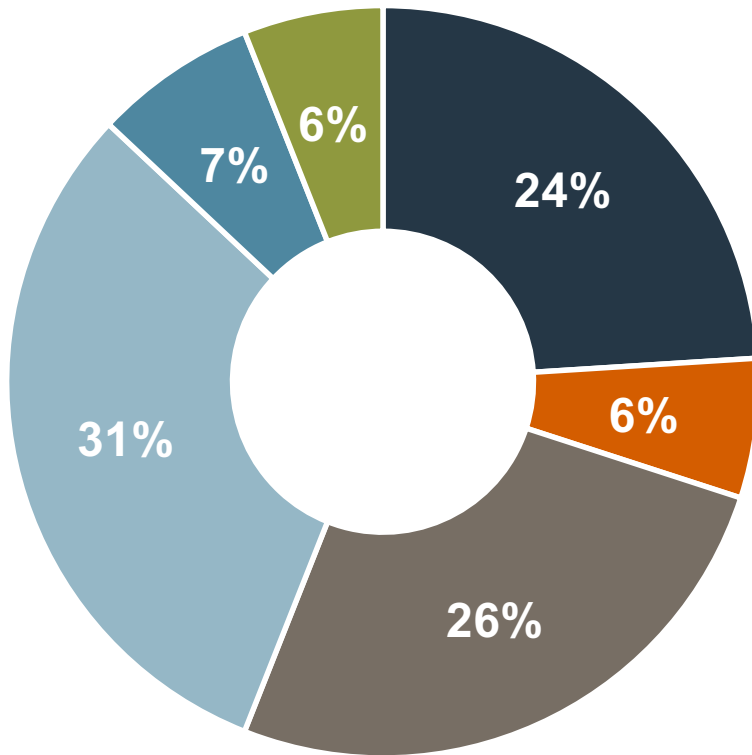
# THE COMMONS



**THE NEW CIC**

# STUDENTS

249



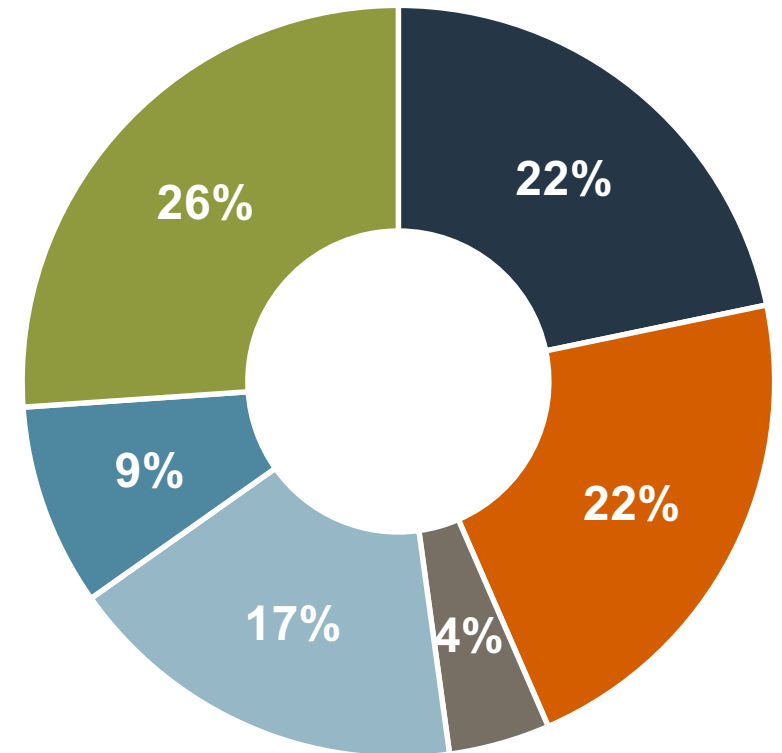
# Respondents

## Identified Pathway

- Gaming & Tech*
- Business Mgmt & Tech*
- Culinary Arts & Hospitality*
- Health Sciences*
- Intro to Teaching*
- None or Administration*

# STAFF

23



# STUDENTS

# STAFF



# COLLABORATION SPACES



# STUDENTS

#1

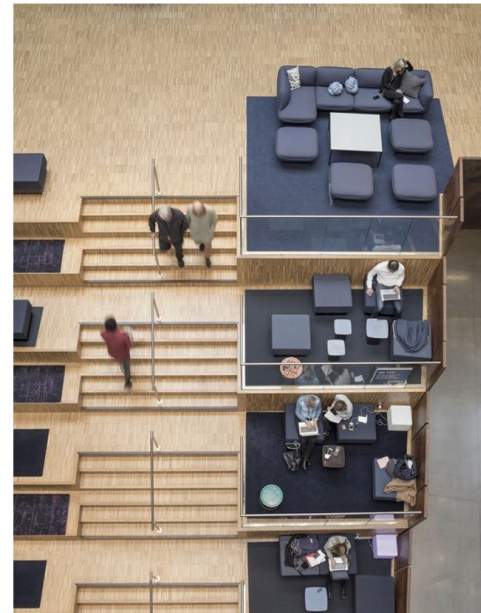
62%



# STAFF

44%

38%



#1

56%

## COMMONS VISUAL EXPERIENCE

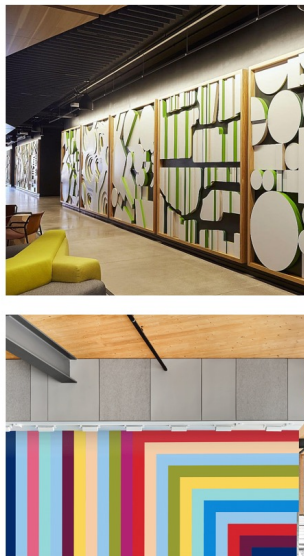


# STUDENTS

# STAFF

#1

#2



**ABSTRACT CONCEPT**



**WORDS/ICONS**



**PHRASES**

#2

#1

# PATHWAY VISUAL EXPERIENCE





# STUDENTS

# STAFF

#1 38%

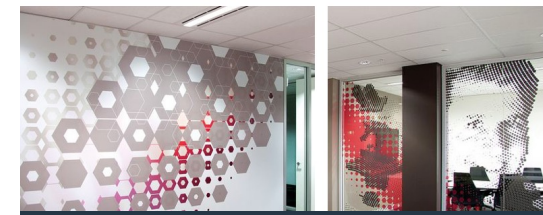
32% #2



SCALED PATTERN



DIFF COLORS, SIMILAR CONTENT



DIFF CONTENT

#2 25%

#1 54%

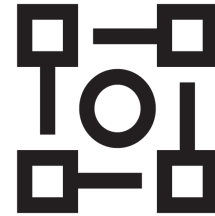
PATHWAY BRANDING



GAMING &  
TECHNOLOGY



BUSINESS



CULINARY &  
HOSPITALITY

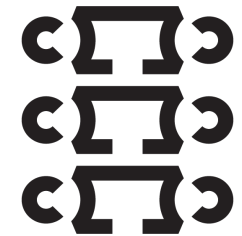


MEDICAL &  
HEALTH SCIENCE



**CAREER  
INNOVATION  
CENTER**

SPORTS MEDICINE &  
PHYSICAL THERAPY



BRANDING



**WRAPPING UP**

---

**QUESTIONS?**



# CONNECT WITH US

---



**Dr. Charlie Belt**  
Assistant Superintendent  
of Operations

[cbelt@bssd.net](mailto:cbelt@bssd.net)



**Andy Mayfield**  
Director of the Career  
Innovation Center

[amayfield@bssd.net](mailto:amayfield@bssd.net)



**Chris Koch**  
Senior Project  
Architect

[ckoch@hollisandmiller.com](mailto:ckoch@hollisandmiller.com)

