

A group of six children wearing helmets and riding bicycles on a paved path. The image is overlaid with a blue semi-transparent filter. The title text is centered over the image.

Elevated Project Solutions for the Next 50 Years

A4LE | February 28, 2022

Our Speakers Today



Mark

SOMMER

Jacobs, Program
Director, OPS Bond



Susan

CHRISTOPHERSON

Omaha Public Schools,
Chief Academic Officer



Jerry

PERRY

Jacobs,
Design Principal



George

KILLIAN

Jacobs,
Design Manager

Today's Agenda

1. Introductions
2. About Jacobs
3. Omaha Public Schools' Bond Program
 - The Jacobs & OPS Partnership
 - Bond Overview
 - College and Career Academies & Pathways
4. Our Program Management Approach
5. Successful Outcomes
 - High School Spotlights
 - Social Impact



Jacobs – About Us

Challenging Today. Reinventing Tomorrow.

At Jacobs, we make the world smarter, more connected and more sustainable for the next generation of builders, designers, engineers, constructors, and disruptors.

\$13B

annual revenue

40+

countries

400+

office locations

55K+

talent force

1947

company founded

\$2.5B+

documented client savings

40+

years of K-12 expertise

\$40B

K-12 projects delivered

70+

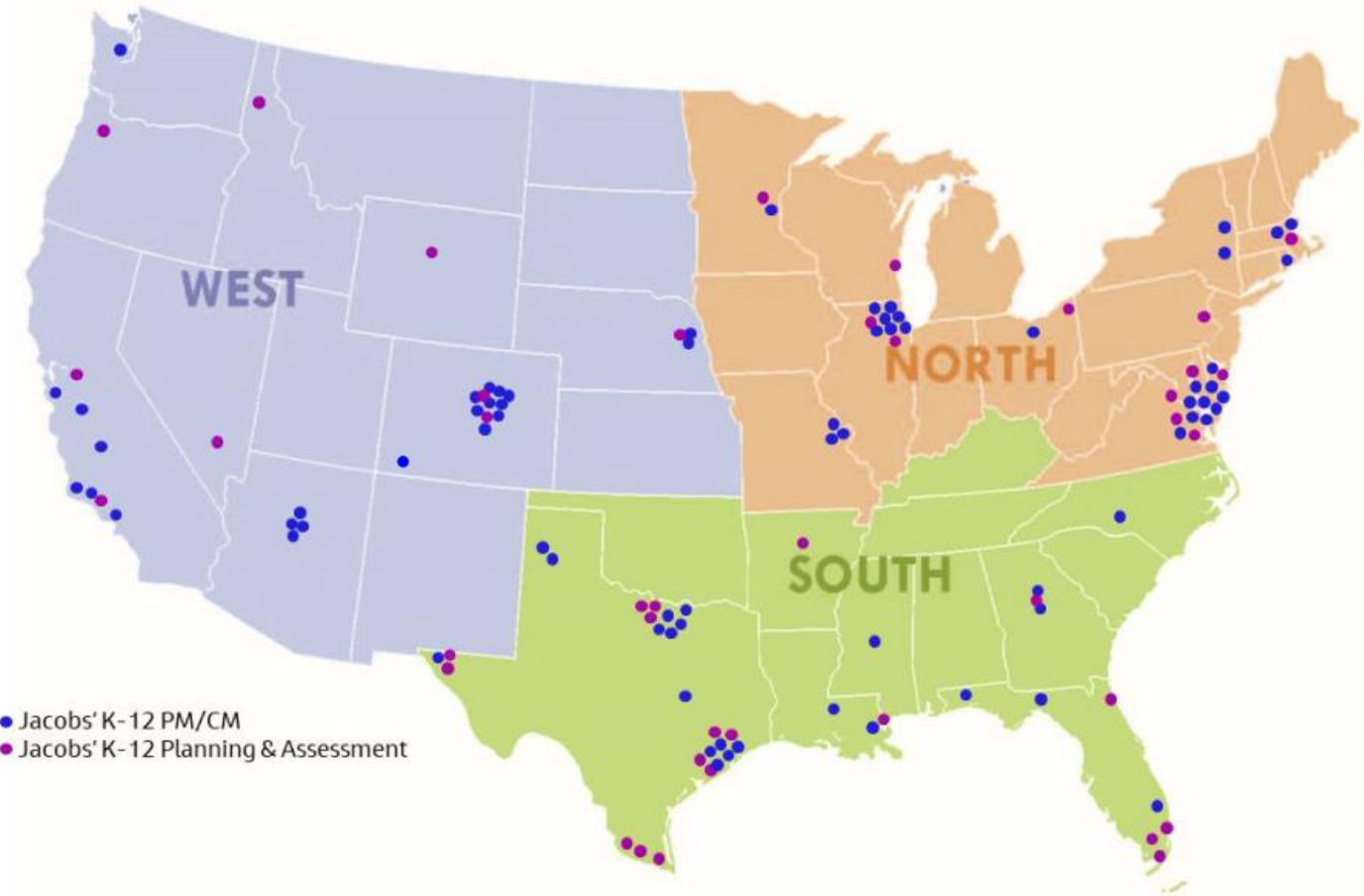
K-12 districts served nationwide





Jacobs is K-12

Helping school districts deliver safe, innovative and high-performing projects and being good stewards of taxpayer monies is our passion, and what we have been doing for more than 40 years.



FY'20 PERFORMANCE EXCELLENCE AWARD

Program Management Services – 2018 Phase 2
Capital Bond Program for Omaha Public Schools

In recognition of your delivery excellence and dedication to challenging today and reinventing tomorrow.

Steve Demetriou
Chair & CEO

Bob Pragada
President & Chief Operating Officer (COO)

Joe Olivarez
Vice President Operational Centers of Excellence



The Jacobs & OPS Partnership

1999 Bond

\$254M

New Construction,
Renovation, Safety,
Security & Technology
May 1999 – Sept 2003



**Project delivery
excellence for 14 years**

2014 Bond

\$424M

New Construction,
Renovation, Safety,
Security & Technology
Nov 2014 – Aug 2021



**83
projects**

2018 Bond

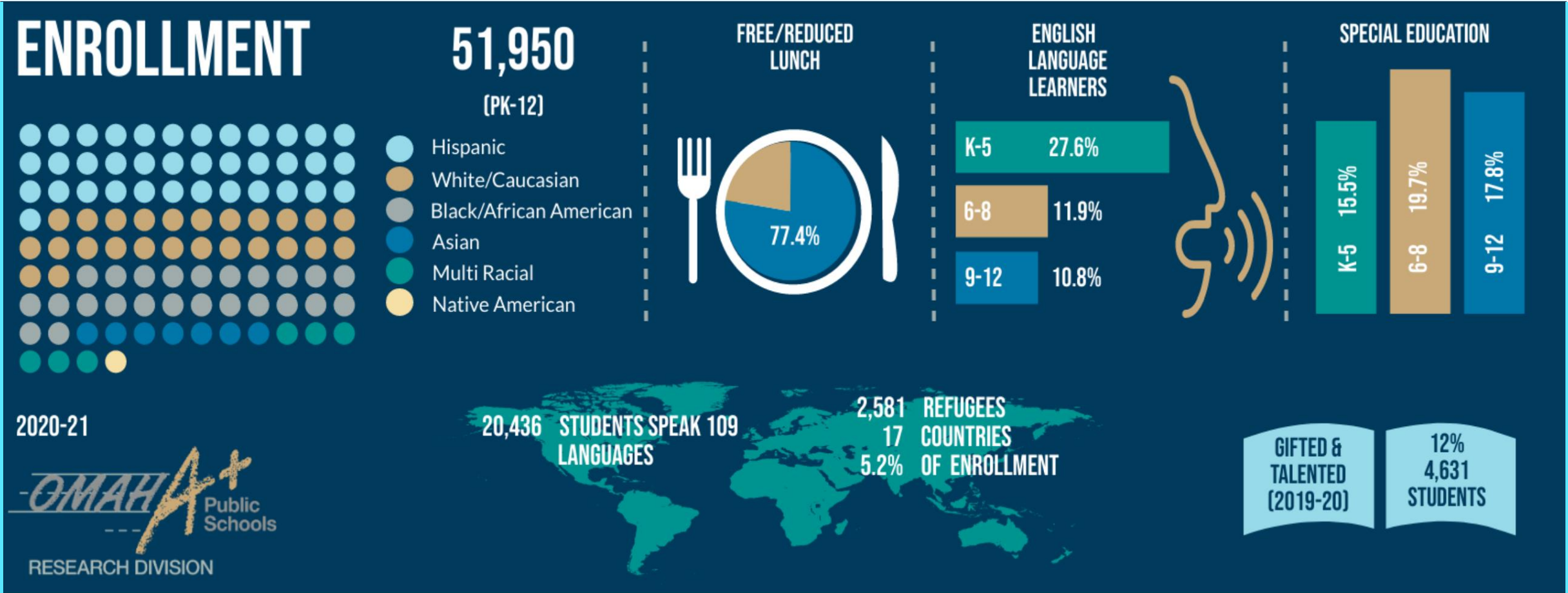
\$412M

New Construction,
Renovation, Safety,
Security & Technology
Sept 2018 – Sept 2023



**25
projects**

Omaha Public Schools' Overview



OPS: College and Career Academies & Pathways



Westview High School



Programming

Freshman Academy

Teaching as a Profession

Health Science

- Biomechanics and Research
- Therapeutic Services
- Human Performance and Sports Medicine

Sustainability

- Civil and Community Engineering
- Clean Energy Research and Development
- Environmental Studies

Business

- Business Management and Insurance
- Entrepreneurship and Virtual Enterprise
- Marketing
- Business Technology

Available Certifications

Pharmacy Technician
OSHA
Green Schools Initiative

Microsoft
CPR
First Aid

Business Partners

OPPD
YMCA

Metropolitan Community College
University of Nebraska Omaha

Specialized Diploma

AP Capstone Diploma

Seal of Biliteracy



Expanding access.
Elevating expectations.

Buena Vista High School



Programming

Freshman Academy

SMART Technology

- Artificial Intelligence, Virtual Reality, and Nanotechnology
- Mechatronics
- Software Design and Application Development
- Automation and Robotics
- Cybersecurity
- Information Technology

Health & Education

- Behavioral Health
- Human Performance
- Teaching as a Profession

Available Certifications

Microsoft
Adobe

Business Partners

Peter Kiewit Institute
AIM Institute
Metropolitan Community College
University of Nebraska Omaha

One World Community
Health Centers, Inc.
YMCA of Greater Omaha

Specialized Diploma

Cambridge Advanced International
Certificate of Education (AICE)

Seal of Biliteracy



Expanding access.
Elevating expectations.



Our Program Management Approach



1. Guiding Principles



2. Evolution of Engagement



3. Boundary Re-alignment



4. Defining OPS' 21st Century Program



5. Site Visits & Pilot Spaces



6. Design & Construction



7. Activation





1. Guiding Principles

- Student Experience
- Project Based Learning
- Adaptable/Future Thinking
- Collaborative
- Creative
- Secure



Working towards the goal of **creating beautiful learning spaces** to allow the next generation to **thrive in their learning environments**



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2. Evolution of Engagement

- Identifying all internal and external stakeholders
- Stakeholder engagement
- Change of leadership
- Consistent and meaningful
- Collaborative candor
- Establish checks and balances



Internal and External Stakeholders provided their input of a functional design for a **futuristic and sustainable education environment**





3. Boundary Re-alignment

- Met with the OPS Research and Curriculum Office to understand programs, school choices and enrollment data
- Onsite Community Boundary Committee Meetings
 - Worked with OPS staff to develop tools & data
 - Met with principals, teachers, community members
 - Reviewed feedback and options
 - Prepared for focus groups
- Developed recommendation consistent with community input
- Board Approved Recommendations





4. Defining OPS' 21st Century Program

- Focus for new high school facilities included:
 - High-quality construction for sustainable education over the next 50 years
 - Maximizing space utilization to allow for various uses
 - Collaboration spaces in the corridor and other circulation areas
 - Movable solutions to allow for greater flexibility and adaptability – FFE (not fixed casework)
 - Administration decentralization
 - Community Partnerships (YMCA & One World Health)
 - Design adaptability to allow for increased student population and evolution of teaching philosophy



Classroom designs that provide **scalable teaching spaces** to ensure the space available was **optimal for the class size**





5. Site Visits & Pilot Spaces

- Site Visits
 - Analysis of alignment with OPS direction... good, better, best
 - Administration and Educational Leadership
- Pilot Spaces
 - Northwest/Bryan/South/Burke
 - Collaboration spaces
 - FF&E
 - Lighting
 - Independent feedback/validation



OPS, architects, and Jacobs staff touring **Kansas City schools** to learn more about **21st Century Classrooms**





6. Design & Construction

- Not designed like the current OPS high schools
- All decisions were filtered through the guiding principles
- Consistency of processes created "champions"
- Functionality of the spaces and alignment with educational programming under continuous evaluation
- Support from SMEs
 - Security consultant
 - Food Service consultant

BUILDING SPACE PROGRAM

Maximum Capacity of 1,500 Students				
BUILDING SPACE DESCRIPTION	QUANTITY	ASSIGNABLE AREA (SF)	TOTAL ASSIGNABLE AREA (SF)	SUBTOTAL ASSIGNABLE AREA (SF)
1. INSTRUCTIONAL AREAS				
Grades 9-12 Core Curriculum Learning Spaces (Language Arts, Social Studies, Math, World Language)				
a. Classrooms	28	900	25,200	
e. ESL Classrooms	1	900	900	
f. Collaboration Commons	8	950	7,600	
g. Multi-Use Classroom / Conference Room	-	-	-	
h. Small Group Rooms	8	150	1,200	
i. Individual Study Rooms	16	40	640	
				35,540
2. SCIENCE				
a. Multi-Purpose Science	8	1,600	12,800	
b. Prep & Storage Rooms	4	240	960	
				13,760
3. TEACHER PLANNING				
a. Teacher Planning / Collaboration Center	8	550	4,400	
- Conference Room	8	175	1,400	
- Storage	8	80	640	
- Departmental Planning / Office	2	250	500	
b. Curriculum Specialist Office	4	150	600	
				5,300
4. VISUAL ARTS				
a. 2D Studio	2	1,400	2,800	
b. 3D Studio	1	1,600	1,600	
c. Art Storage	4	150	600	
d. Kiln Room	1	150	150	
de. Clay Room	1	150	150	
				4,800
5. BUSINESS/MARKETING/INFORMATION TECH				
a. Classroom / Lab	3	1,200	3,600	
b. Classroom / Lab	-	-	-	
c. Journalism / Yearbook	1	1,200	1,200	
				1,600
6. HEALTH SCIENCES				
a. Multi-Function Classroom	-	-	-	
				1,600
7. FAMILY AND CONSUMER SCIENCE (FACS)				
a. FACS Multi-Purpose Lab	1	1,400	1,400	
b. Storage	1	200	200	
				7,870
8. SKILLED AND TECHNICAL SCIENCES				
a. CADD / BIM Lab & Fab. Lab + Storage	1	2,050	2,050	
b. Innovation Lab (Materials & Processes)	1	3,200	3,200	
- Finishes Room / Storage / Tool Storage	1	720	720	
c. College & Career Academy Flex Space / Storage	1	1,900	1,900	
d. Multi-Function Lab / Storage	-	-	-	





7. Activation (High School)

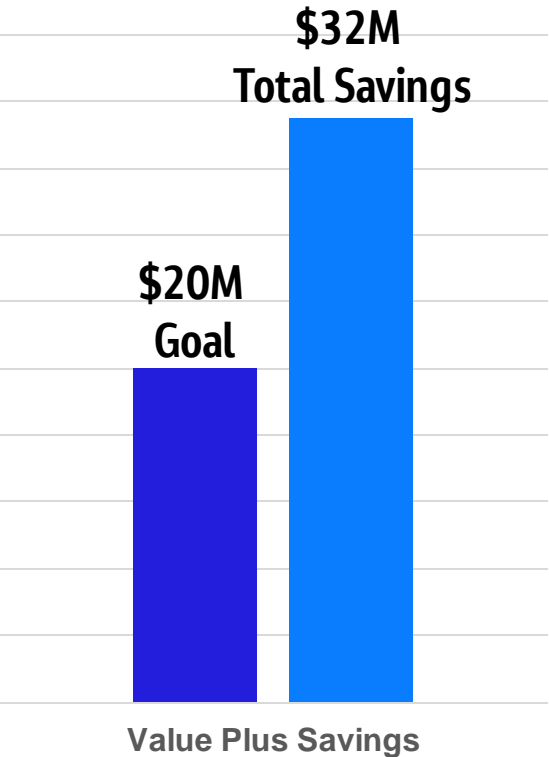
- Collaborated on all FF&E
 - Maximize Building Efficiencies and Space Utilization
- Substantial Completion 5 months before use
 - Time for Administrative and Teaching Staff to Train and Onboard (not just Operations and Maintenance)
- Professional Development for Staff
 - Alignment with educational/teaching philosophy
 - How to use the school
 - Maximize use of space
 - Leveraging flexible furnishing
 - Optimal use of collaboration and break out spaces and Learning Stair



OPS Spotlight Features

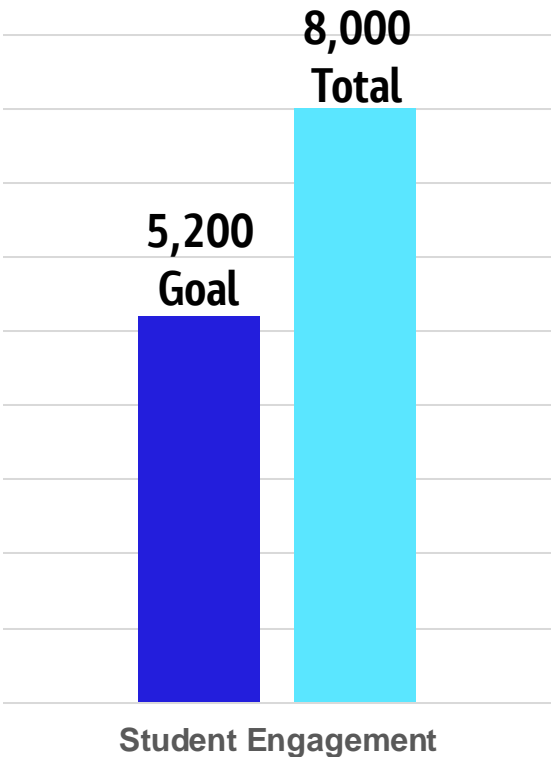


Social Impact



"The COVID-19 Pandemic presented one of the more challenging times in our history. Despite unprecedented obstacles, the Jacobs team continued moving the Bond Program forward seamlessly and without interruption, while providing a safe environment for staff and workers. Under Mark Sommer's leadership, they focused on doing the right thing while continuing to provide a positive work environment, and unwavering customer service, which has delighted Omaha Public Schools."

- Dr. Cheryl Logan, OPS Superintendent



Program is on-time and under budget
\$86M+ committed to Small Emerging Businesses

Thank you!

Questions?



Challenging today.
Reinventing tomorrow.

