 **Des Moines Community School District**
Central Campus

*Connecting Students,
Creating Futures,
@ Central Campus*

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Speakers

Bill Good, Chief Operations Officer – Des Moines Public Schools
Julie Rosin, Central Campus Assistant Director – Des Moines Public Schools
James Britt, AIA, Project Architect – RDG Planning & Design
Eliz Erbes, AIA, LEED AP, Educational Designer – RDG Planning & Design

District Overview & Strategy

City of Des Moines, Iowa

- Iowa's largest city and Capital
- Population – 198,682 (Metro area 456,682)
- Median household income - \$38,408

Des Moines Public Schools

Who we are

- Enrollment – 31,275
- Free and Reduced - 67%
- 50% minority
- ELL program is fastest growing segment.
- Number of school buildings – 69
- Average Age of school buildings – 63 years
- Home for Iowa's only International Baccalaureate curriculum and public Montessori school



77 % of schools labeled by EPA

Saved \$2.6M in last 4 years



Planning Process

- Superintendents Facilities Advisory Committee
 - Developed overall priorities
 - 5 year plan, 10 year vision
 - Students First
- Community Forums
- Board Approval
- Revenue purpose statement passed in September 2009

Facility Committee Priorities

- 1 - Safety and Security
- 2 - Replacement of obsolete, inefficient, or worn-out equipment or systems
- 3 - Money saving strategies
- 4 - Improvements to buildings which have not received major improvements
- 5 - Technology infrastructure upgrades
- 6 - Air conditioning classrooms
- 7 - Improvements to enhance research-based student achievement
- 8 - Program changing needs

Funding

- State wide penny – 1% local option
 - \$24M per year through 2029
 - Per student allocation
 - Phase #1 bonding = \$68M (2011-2013)
 - Phase #2 bonding = \$71M (2013-2015)
 - Phase #3 bonding = \$60M (2015-2017) projected

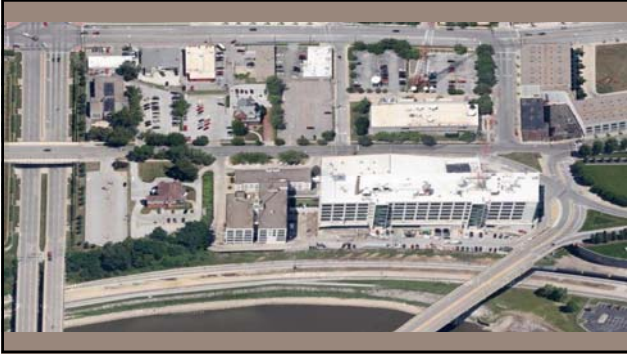
Central Campus

- Constructed in 1916
- Purchased in 1952 as a former Ford Motor assembly plant and more recently used for fabricating parts for jet aircraft engines.
- Former Tech High School was moved to the building in '52 and was closed in 1986 as a high school.
- Purchased adjoining (\$4,499,272) building and parking ramp in 2008
 - Renovated into Academy \$11,416,000
- Total square feet of CC – 456,660
- Renovations
 - Phase 1 (3rd floor) - \$13,652,000
 - Phase 2 (Connector, entry, partial 2nd and 1st floors and sitework) - \$11,974,000
 - Phase 3 (Remaining 2nd and 1st) - \$4,750,000

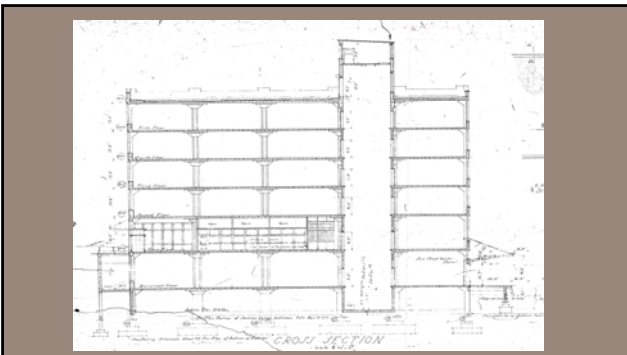
Central Campus Programs

- Career Tech
- Academy
- Downtown Elementary School
 - Formally leased space
 - Project based curriculum
- Gateway Middle School
- Fitness Center
- District Printing department
- Multipurpose room
 - Board meetings, Community meetings, building meetings, student uses

Facility & Design Response















Master Plan and Remodel Objectives

- Maximize space allocation for learning programs
- Cluster key programs together to build learning interactions
- Provide learning suites which support and advance 21st century learning programs
- Put learning on display
- Improve building energy performance (mechanical systems and exterior improvements)
- Improve life-safety components (sprinkler, fire exiting, communications, back-up power)
- Improve building accessibility

Master Plan and Remodel Challenges

- Multi-phase approach spanning many years
- Floor layout and systems need to be flexible to respond to changes between Master Plan and implementation
- Existing building has layers of previous remodels – many unknowns
- Think beyond the existing building – thinking outside the box you're in
- Six story building – each remodel will always impact at least two floors
- Making a nearly century old building meet building code 'high-rise' standards
- Implement everything while school is in session.





















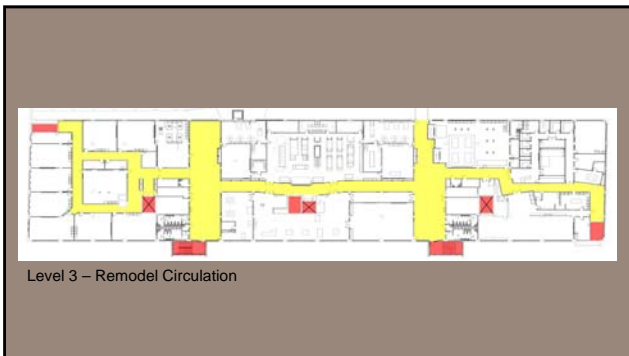
Comprehensive Infrastructure Improvements

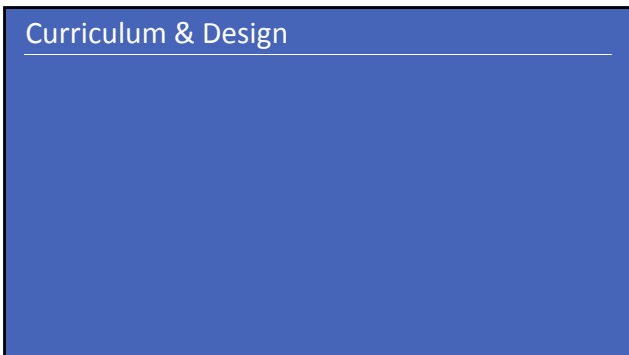
- New mechanical system
 - Mini boilers, heat pumps, cooling towers
 - Replaced single boiler plant with high efficiency mini boilers on each floor to better respond to floor by floor needs
- New sprinkler system
 - Building only partially sprinklered beforehand
- New fire stairs
 - Placed at building exterior for ease of construction and greater floor plan flexibility
- New elevators, chair lifts, and ramps to meet ADA.



Level 3 - Existing







Central Campus



Central Campus



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Program: information gathering

Room No.	Description	Area	Occupied	Available	Unassigned	Unassigned	Unassigned	Unassigned	Unassigned	Unassigned
10000	10000	10000								
10001	10001	10001								
10002	10002	10002								
10003	10003	10003								
10004	10004	10004								
10005	10005	10005								
10006	10006	10006								
10007	10007	10007								
10008	10008	10008								
10009	10009	10009								
10010	10010	10010								

Master Plan: area and adjacencies

First Floor

Third Floor

Ground Floor

Second Floor

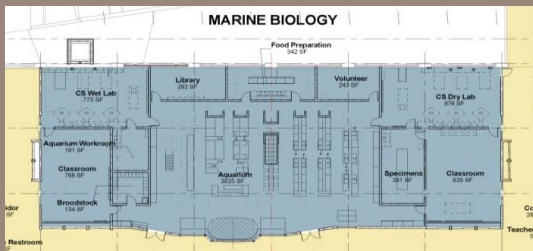
Agriculture and Environmental Science

- Animal Science
- Horticulture
- Energy and Sustainability
- Marine Biology
- Aquarium Science

Plan: Third Floor



Plan: Marine Biology and Aquarium Science



CTI: Corridor Character

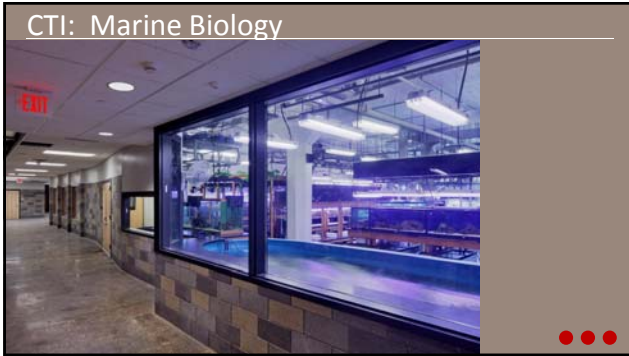


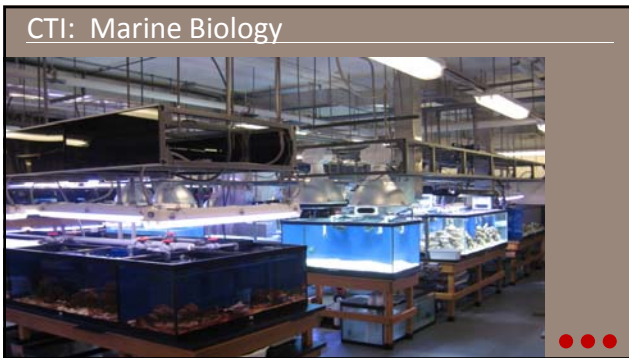
CTI: Marine Biology



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CTI: Marine Biology



CTI: Marine Biology



CTI: Marine Biology



CTI: Marine Biology Tank Room



CTI: Marine Biology Tank Room



Marine Biology and Aquarium Science

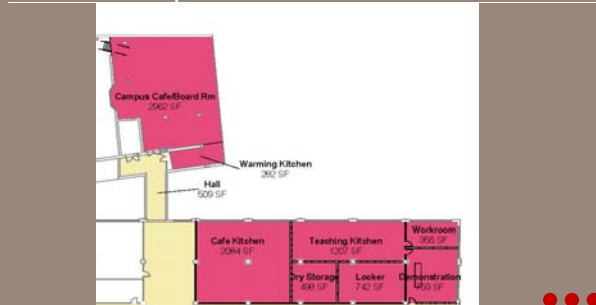
Family & Consumer Science

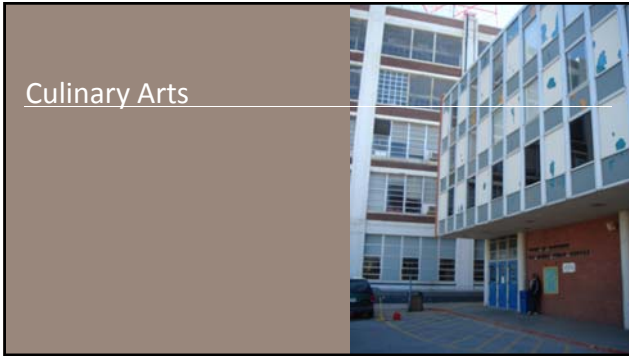
- Culinary Arts
- Fashion Design & Merchandising

Plan: First Floor

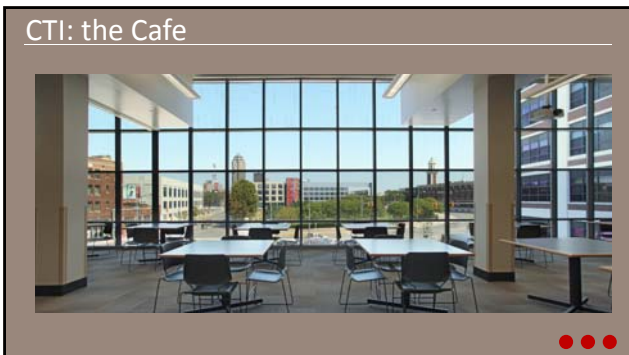


Plan: Culinary Arts









CTI: Board Room/ the Cafe



CTI: Board Room/ the Cafe



CTI: Board Room/ the Cafe



CTI: Culinary Arts



CTI: Culinary Arts



Culinary Arts

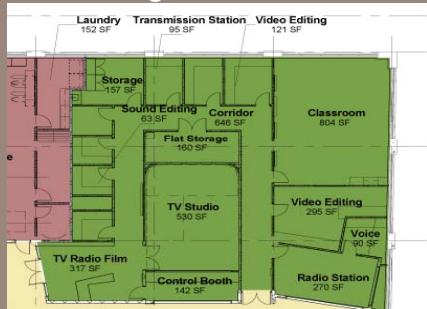
Communication Media

- Broadcasting and Film
- Commercial Photography
- Graphic Communication

Plan: Third Floor



Plan: Broadcasting & Film



CTI: Broadcasting



CTI: Commercial Photography



CTI: Printing & Graphics



CTI: Printing & Graphics



Broadcasting and Film

Education & Leadership Careers

- Early Childhood Careers
- The Teacher Academy
- Army JROTC

Plan: First Floor



Plan: Downtown School



CTI: Downtown School









Early childhood and the Downtown School

Family & Consumer Science

- Culinary Arts
- Fashion Design & Merchandising

Plan: Third Floor



Plan: Fashion Design & Merchandising



CTI: Fashion Design & Merchandizing



CTI: Fashion Design & Merchandizing



CTI: Fashion Design & Merchandizing



CTI: Fashion Design & Merchandizing



CTI: The Fashion Show

- Fashion Design and Merchandising
- Printing & Graphics
- Home Building
- Welding
- Photography
- Culinary
- Broadcasting & Film

Fashion Design & Merchandising

Activity

- **Share . it**
- Post . it
- Photograph . it



Activity

- Share . it
- **Post . it**
- Photograph . it



Activity

- Share . it
- Post . it
- **Photograph . it**



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