



CANYON HIGH SCHOOL

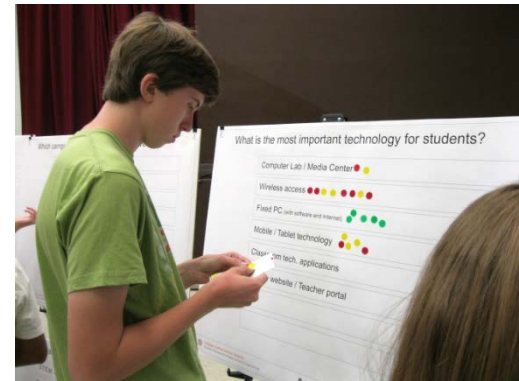
*Home of the Comanches*

## INTRODUCTIONS

**Craig Abercrombie, Principal  
Canyon High School**

**David Hunt, Principal  
gkkworks**

**Anthony Sanchez, Vice President  
Cumming Corporation**





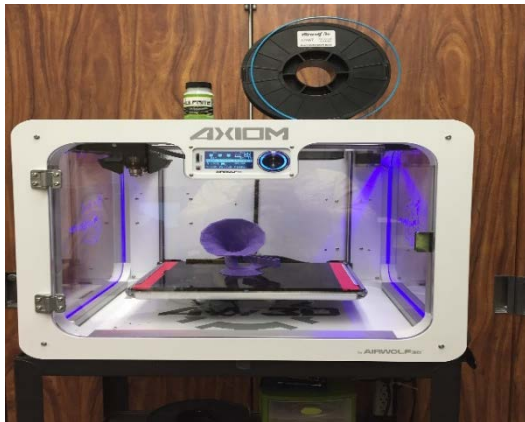
### 45 Years of No Major Renovations has Resulted in **Outdated Academic Facilities and Environment:**

- Outdated Classrooms (26% in portables)
- Outdated Science Labs
- Lack of Specialized CTE Classrooms
- Lack of Instructional Technology





**Flight Simulators**



**3D Printers**



**Computer Labs**

## 21<sup>st</sup> Century Science Learning

- Students need....
  - access to quality learning tools, technologies, and resources
- Classrooms should...
  - Provide 21st century architectural and interior designs for group, team, and individual learning.

## Canyon Facts

- 32 AP/IB Courses – 79 Sections
- 9 Honors Courses – 46 Sections
- 40 CTE Course Offerings
- 749 AP Students
- 14 Science Offerings
  - Honors/AP/IB
- Deficiencies
  - Lab Space
  - Inadequate Power
  - Insufficient Plumbing
  - Safety



# Major League Students – Minor League Facilities



## Student/Staff Condition



## Facilities Condition

- Built in 1973
- Started to out grow campus in 1977
- Portables brought in from 1977-1990  
*25 – 39 years old*
- 20 of our 78 classrooms are in portables  
*26% of classroom inventory*

*“If properly installed and maintained, a portable can have a useful life of approximately 10 years”*

## Student Condition

- High Achieving Students consistently going to top colleges across the nation.
- Award Winning Programs
  - Aviation
  - Video Production
  - Academic Decathlon
  - Science Olympiad

## Canyon High School Students...

- Outperform the State and World on AP Exams
- Outperform the State and Nation on all areas of the SAT Exam
- Outperform the State and Nation on all areas of the ACT Exam
- Outperform the State on both areas of the SBAC Assessment





### From our teachers:

- The condition of our facilities hinders the CHS science department in the following ways:
  - It makes it much harder for us to maintain the safety of our students.
  - It makes it difficult to train students on 21st century lab tools.
- **If we had up-to-date science facilities, our students would:**
  - Have a much smoother transition into college lab courses.
  - Have much safer working environments.
  - Feel as if we valued their education.
  - Be comfortable walking into any modern lab facility.



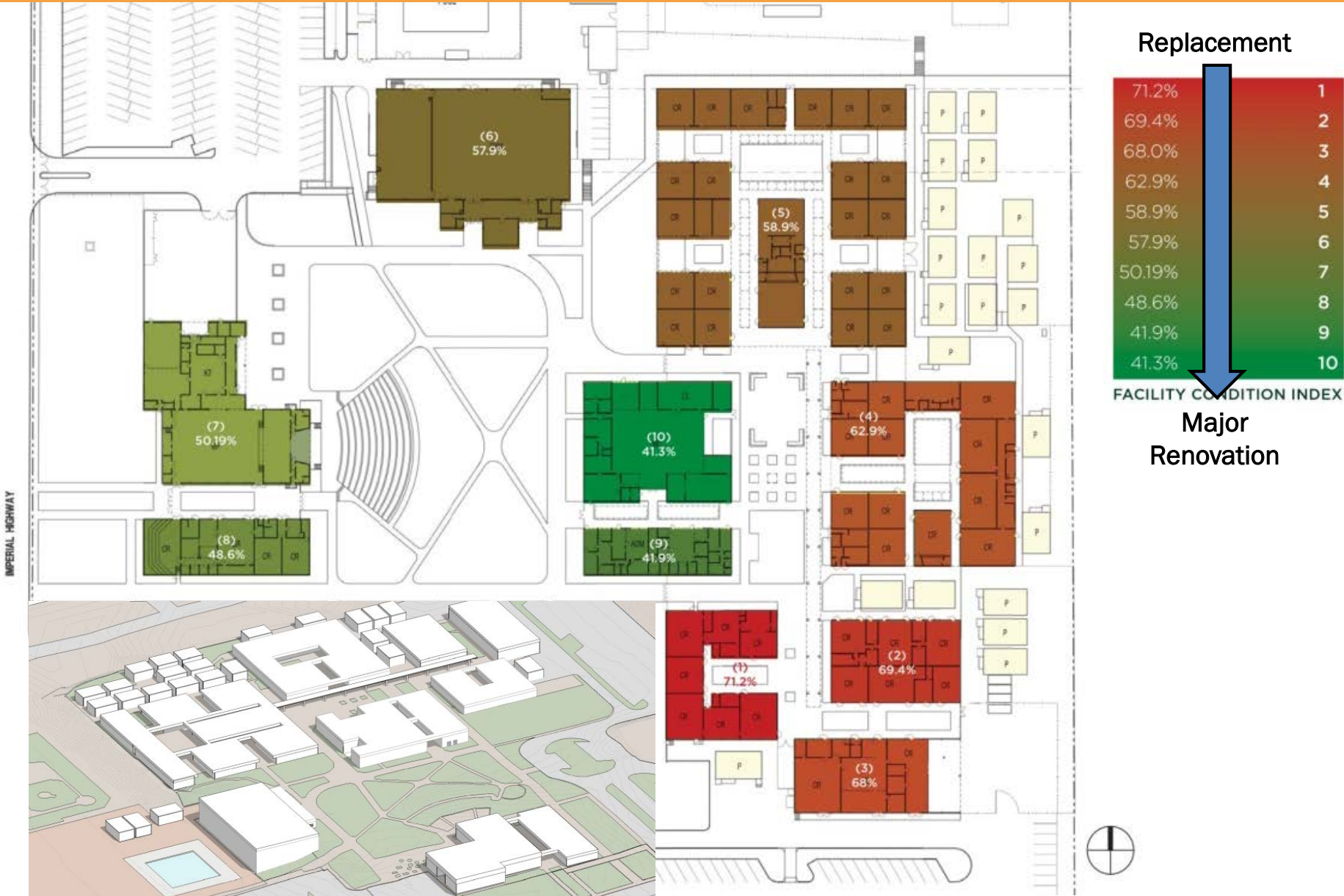
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# Facilities Condition Index

Parsons Study - 2014





- Facility Assessment
- On-Site Inspections
- Utilities & Structural Condition
- Initial U/G Utilities Survey (GPR)
- Geotechnical Soil Borings & Testing
- Percolation Testing
- Accessibility & Title 24 Impacts
- Escalation & Current Trends
- Hypothetical Comparative Estimating

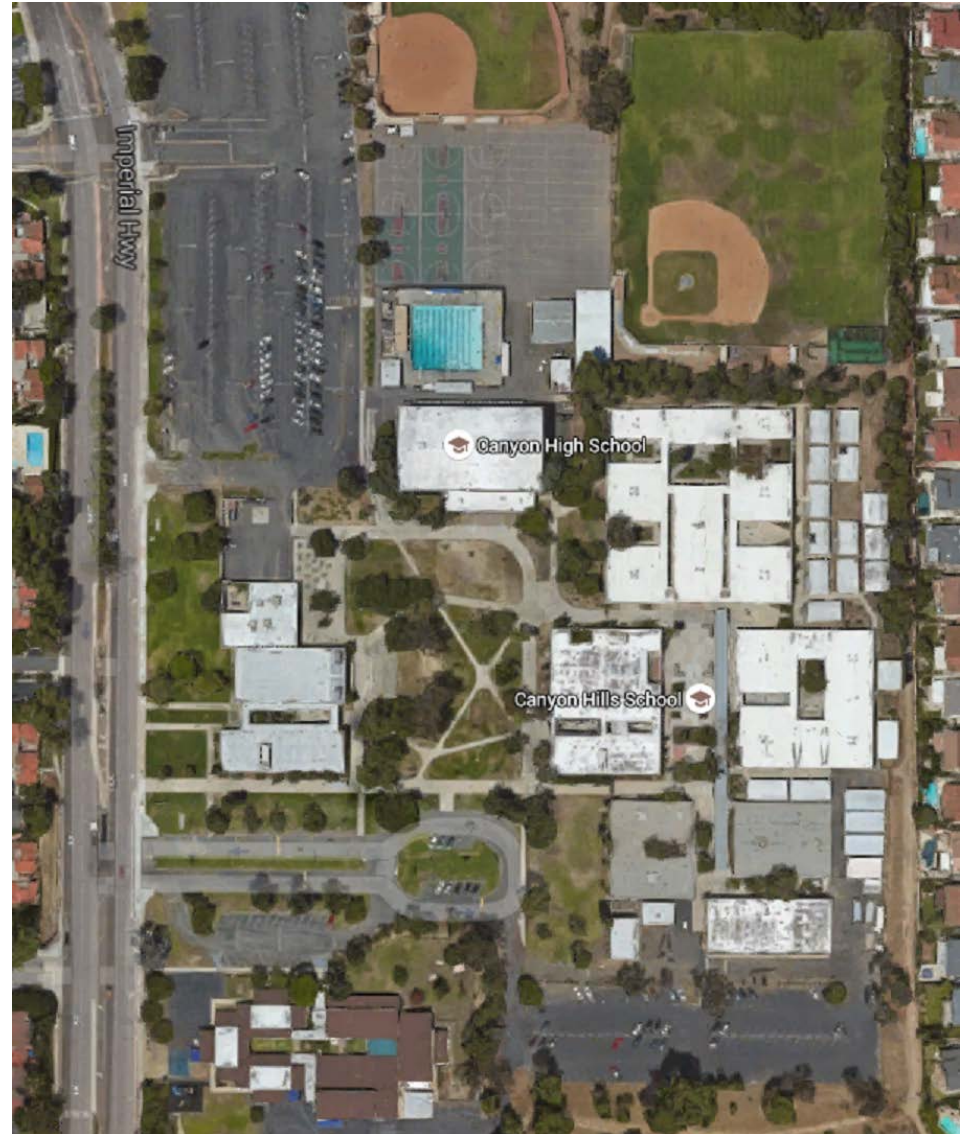




## CUMMING

Building Value Through Expertise

- **Campus Size & Phasing**
- **Logistics & Implementation Impacts**
- **School Operation Impacts**
- **Safety**
- **New Construction vs. Modernization**
- **Swing Space**
- **Minimize Construction Impacts**
- **Contractor Access & Laydown Areas**





# Summary of Facility Condition Findings

## Building, Infrastructure, Parking and Overall Campus Deficiencies

- Seismic Deficiencies
- Lack of Accessibility
- Water Intrusion
- General Disrepair
- Outdated Electrical Systems
- Energy Inefficiency
- Non-functional Heating and Air Conditioning Systems
- Lack of Parking and Poor Vehicular Circulation



Accessibility Restrictions



IT Overload



Inadequate HVAC Systems



Water Damage

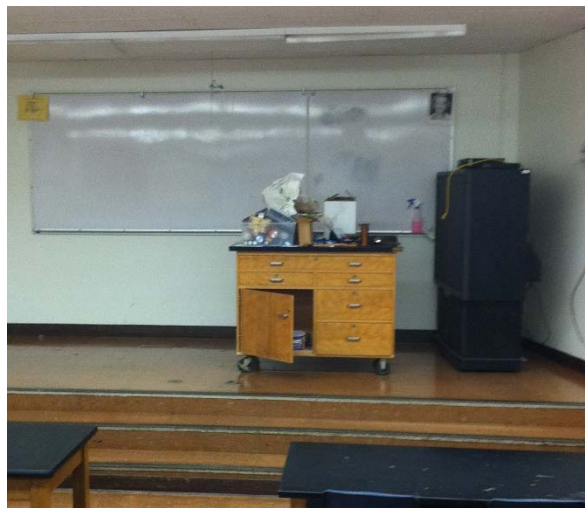


40 Year Old Science Labs

# Academic Environment

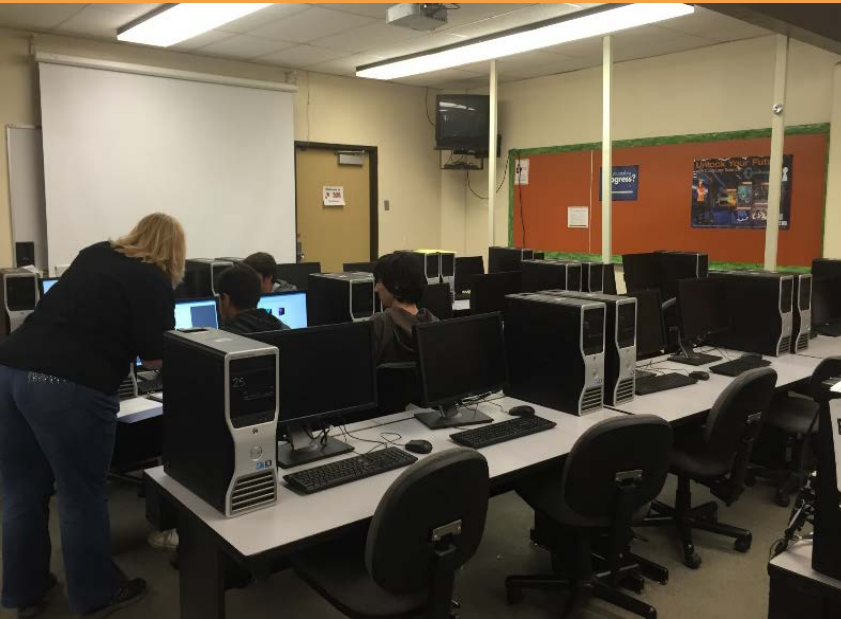


## Existing Science Labs





# Academic Environment



Existing General Classrooms  
and Computer Labs





# Academic Environment

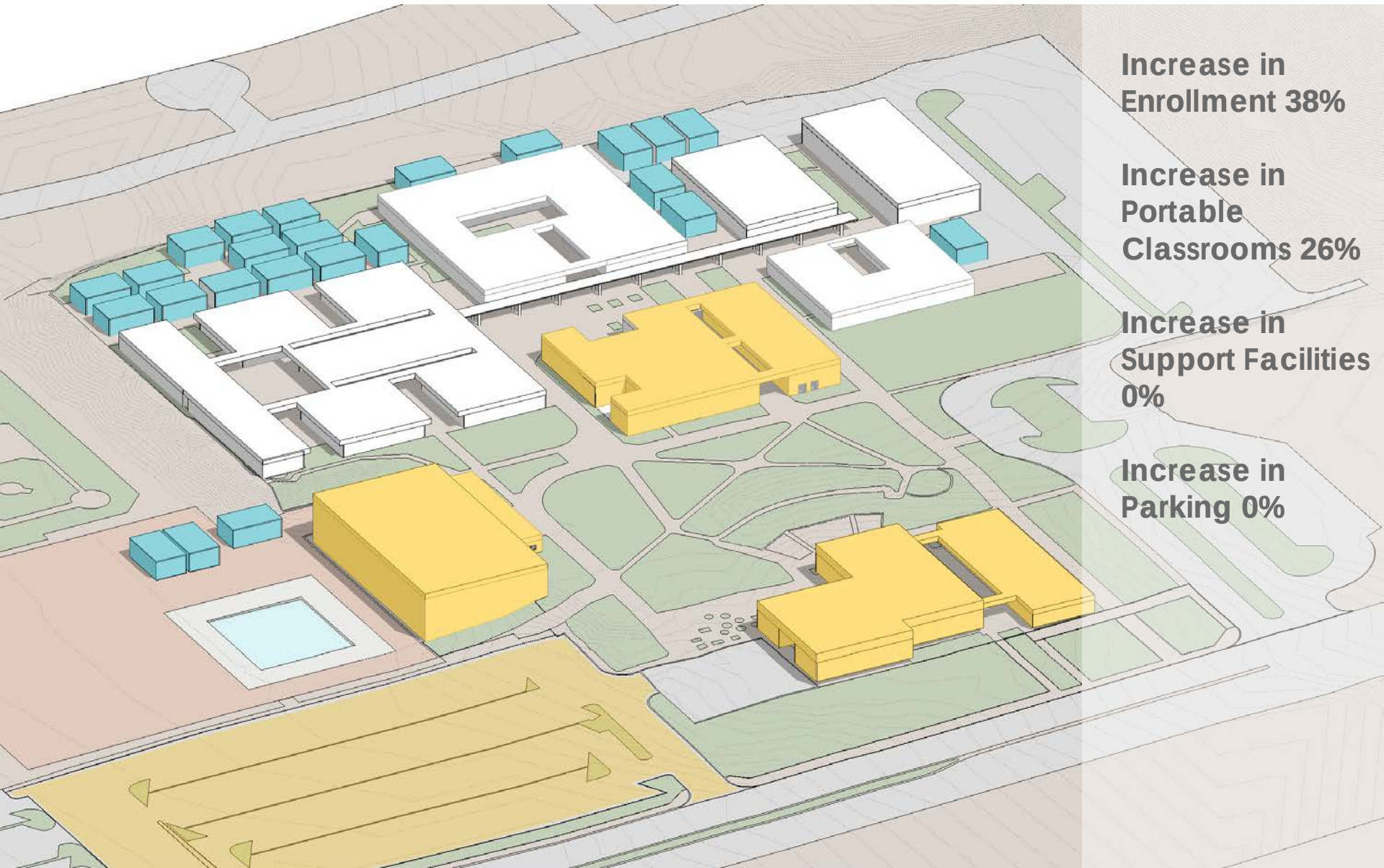


Existing Portable Classrooms





# Undersized Facilities for Enrollment



**Increase in Enrollment 38%**

**Increase in Portable Classrooms 26%**

**Increase in Support Facilities 0%**

**Increase in Parking 0%**



# Parking, Drop-off Conditions

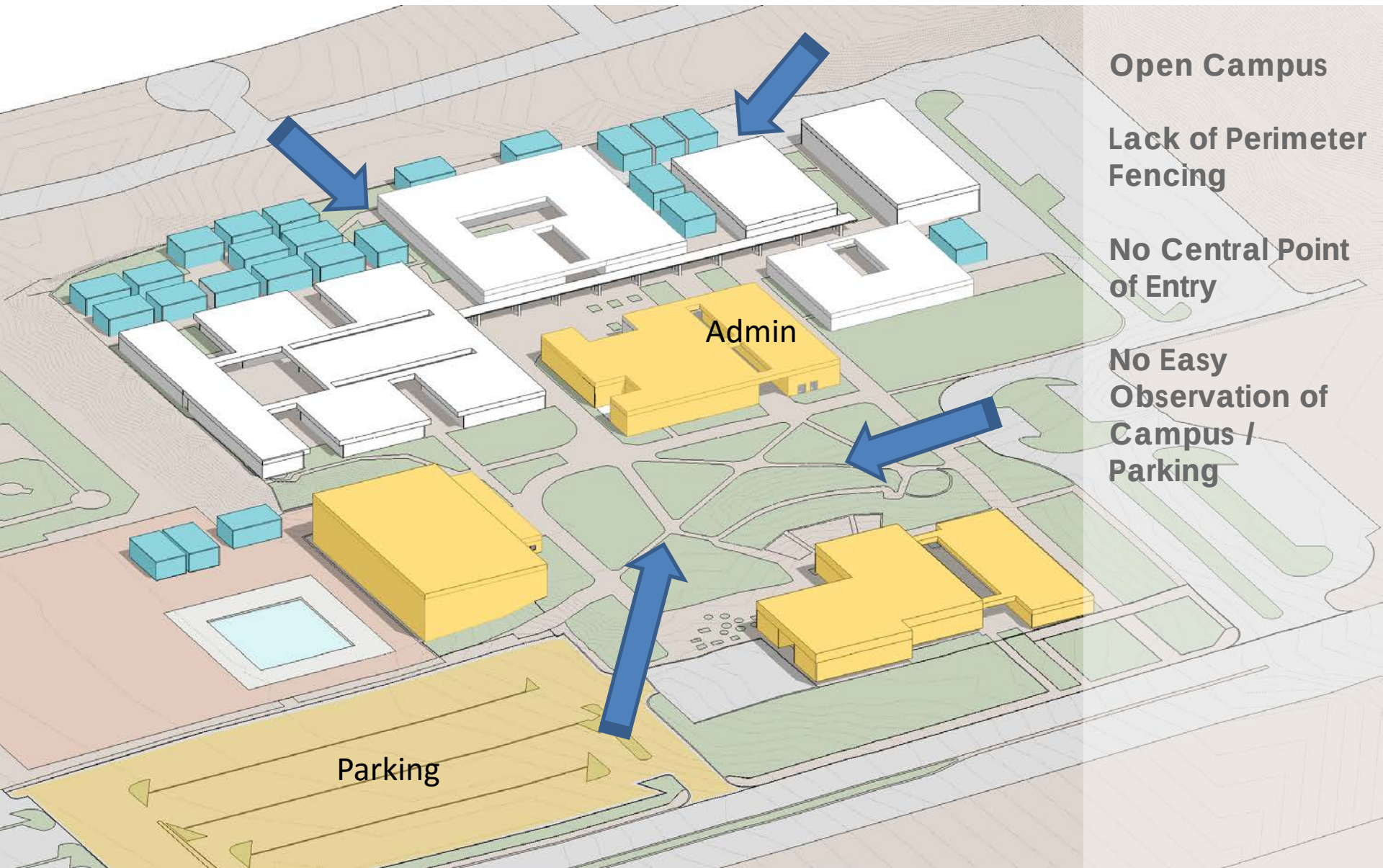


Existing Student  
Parking Lot





# Safety and Security



**Open Campus**

**Lack of Perimeter Fencing**

**No Central Point of Entry**

**No Easy Observation of Campus / Parking**

**Parking**

**Admin**

## *Education in the 21<sup>st</sup> Century:*

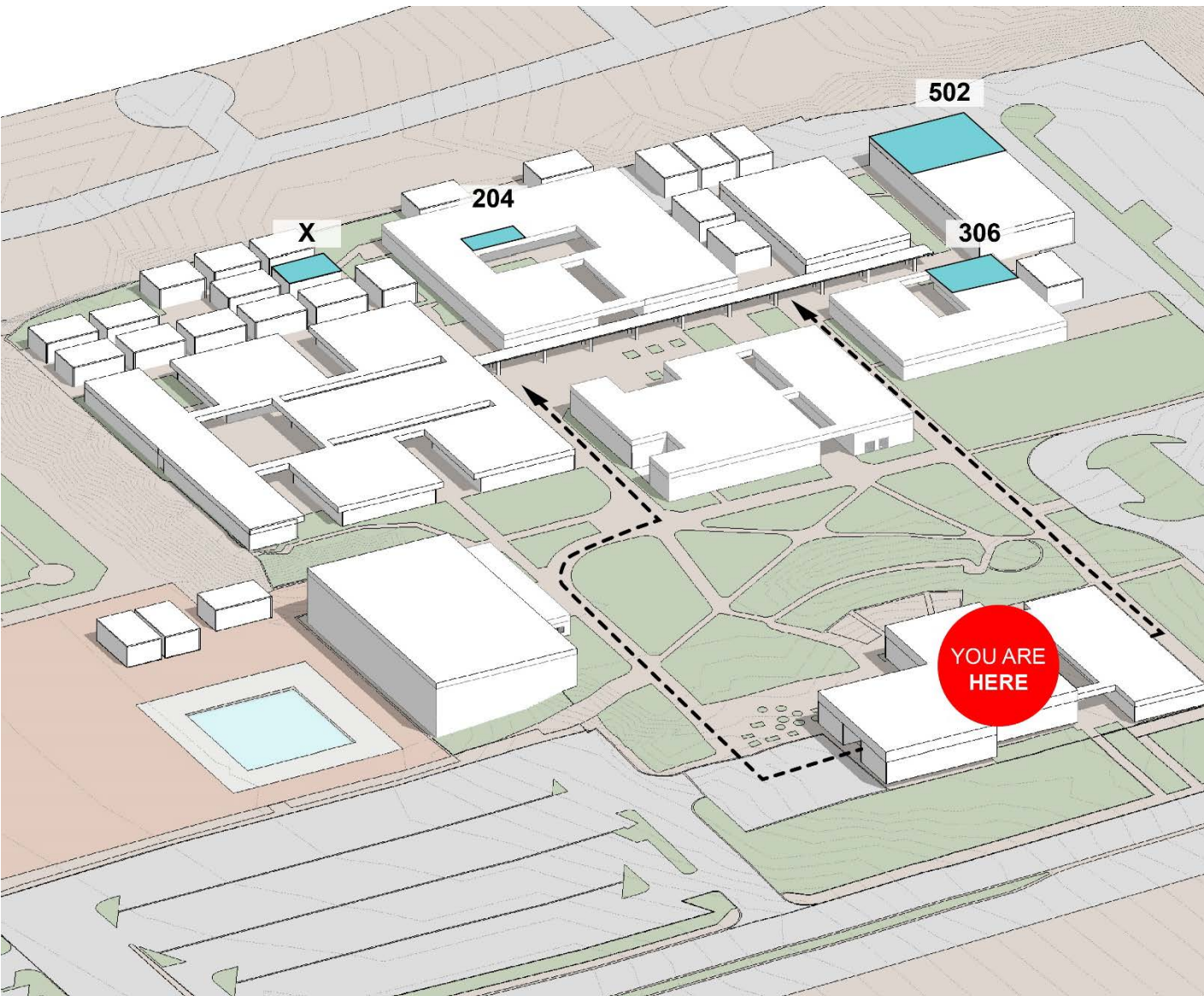
- Designed to Help Students Perform at Their Highest Level
- Full Integration of Technology
- Project Based Learning
- Accommodations for Individual Learning and Teaching Styles
- Social Learning And Engagement

*Schools are a Reflection of the Communities Aspiration*





# Campus Tour



## **Room X**

Unusable Portable  
- Ms. Der

## **Room 204**

Environmental Science  
- Mr. Takacs

## **Room 306**

Robotics, Computer  
Science with Video  
Games, Business/  
Accounting - Mrs.  
Damon

## **Room 502**

Auto Shop/ Future  
STEM Lab  
- Ms. Kang