



# Mira Mesa High School

10510 Marauder Way  
San Diego, CA 92126



Sub-district: A  
Cluster: Mira Mesa  
Year School Opened: 1976  
Grades: 9-12

- ① Turf Field and All-weather Track
- ② Arts Media & Entertainment Production Facility
- ③ Computerized Graphic Design and Screen Printing Production Lab
- ④ Culinary Arts
- ⑤ Stadium Improvements
- ⑥ Solar System
- ⑦ Whole Site Modernization
- ⑧ CTE Transportation

Mira Mesa High School, is located in the heart of San Diego County. Located on busy Mira Mesa Blvd., it is located near Miramar College, two middle schools, several elementary and pre-schools, and Marine Corps Miramar Air Station.

Opened in 1976, the almost 50-acre campus is comprised of three main classroom buildings, a theatre, state-of-the-art video production studio, library, gymnasium with wrestling and dance rooms, weight training building, and 53 portables. The 14 permanent buildings are primarily masonry construction, and the total building area is more than 300,000 square feet. The center quad and front of campus are landscaped to mimic an urban park. At almost one square mile, the school site includes shaded lunch areas, tennis courts, natural grass playing fields, and a stadium with synthetic turf and rubberized all-weather track.



## Mira Mesa HS Synthetic Turf Field & All-weather Track



Completed: July 2009  
Funding: Proposition S

Mira Mesa's former dirt track and natural grass field were replaced with an all-weather rubberized track and synthetic turf field that supports football and soccer. Additional improvements included grading and field drainage system.







# Mira Mesa HS Arts Media & Entertainment Production Facility







## Mira Mesa HS Arts Media & Entertainment Production Facility

Completed: February 2013

Funding: Proposition S and Proposition 1D

The existing 4,350-square-foot broadcast studio was completely renovated to include a high-definition television broadcast studio designed by industry experts and constructed using sound-insulated concrete block. This industry-standard Career, College, and Technical Education facility supports live broadcasts and webcasts and will prepare students for careers in the arts, media, and entertainment industries.





## Mira Mesa HS Arts Media & Entertainment Production Facility

The state-of-the-art facility features:

- An 819 square-foot, two-set broadcast studio
- Three professional video cameras with attached teleprompters
- An adjacent 235 square-foot, eight-workstation control room with professional -grade equipment
- A 309-square-foot lab and attached 84 square-foot editing room
- A 1,135 square-foot audio-visual classroom
- Upgrades to theater lighting and control room, as well as the addition of acoustical enhancements



Control room



View from set

## Mira Mesa HS Arts Media & Entertainment Production Facility



Editing room



Audio-visual classroom



Theater with lighting and acoustic upgrades



Control room





# Mira Mesa HS Computerized Graphic Design & Screen Printing Production Lab





## Mira Mesa HS Computerized Graphic Design & Screen Printing Production Lab

Completed: February 2013

Funding: Proposition S and Proposition 1D

The state-of-the-art, 4,316 square-foot Computerized Graphic Design & Screen Printing Production Lab at Mira Mesa High School houses the CTE Computerized Graphic Production Program, which provides career and technical education in graphic production technologies for the manufacturing and product development industry. Students gain hands-on experience with industry standard graphics software screen printing, offset printing, digital duplicating, dye sublimation, wide-format printing, vinyl cutting, and heat transfer.

The facility features:

- Remodeled existing, outdated graphic arts classroom into a new in-screen printing/graphics classroom
- New computer lab and a full print production classroom
- Upgraded ventilation system
- Upgraded technology infrastructure to support current computer needs
- Physical and visual link with the main classroom





## Mira Mesa HS Computerized Graphic Design & Screen Printing Production Lab



Flash dryer and multi-station screen printing presses



Conveyor dryer



Heat press transfer machine station



Computer lab



# Mira Mesa High School Culinary Arts



Completed: August 2016  
Funding: Propositions S and Z

The new Culinary Arts facility project entailed remodeling and reconstructing the existing food and nutrition classrooms into the new program space to include:

- Full commercial kitchen including new food service equipment
- Culinary classroom
- Food science lab
- Nutrition classroom
- Faculty office
- Culinary garden with covered patio

The interior work in this project also included new walls, doors, flooring and ceiling finishes; a new faculty restroom; all new plumbing for kitchen equipment; upgraded electrical for kitchen equipment support and lighting. A roof top HVAC system installed along with fume hoods for the kitchen. New audio visual (A/V) equipment in all three classrooms which is linked to existing broadcast system. To align with safety and security regulations a new fire safety system will be installed.



Modernized Culinary Classroom

Courtesy of Stephen Whalen Photography



# Mira Mesa High School Culinary Arts



Courtesy of Stephen Whalen Photography

New Food Service Lab with butcher top workstations



Courtesy of Stephen Whalen Photography

New Hospitality Room



Courtesy of Stephen Whalen Photography

New Baking Area with commercial kitchen equipment



Courtesy of Stephen Whalen Photography

New Culinary Garden with garden patio equipment and wall garden





# Mira Mesa High School Solar System



Completed: Spring 2018  
Funding: Proposition Z

A Solar Photovoltaic System was installed at Mira Mesa High School. The system for this campus has solar panels that are mounted on tilt elevated canopies within the existing parking lots. These canopies provide shade structures and under-mount LED lighting for parking lots. This system will create an energy-efficient and renewable power source. It will deliver a clean energy supply during both the academic year and school vacations.

All elements of installation include, but not limited to:

- Solar PV modules
- Inverters
- All electrical connectors, cabling and components necessary for a complete solar system
- All mounting systems



Solar Arrays on the Northeast parking lot



Solar Arrays on the Southeast parking lot





# Mira Mesa High School Stadium Improvements



Completed: February 2019  
Funding: Proposition S and Z

This project includes new entrance Plaza to the stadium and surrounding renovated and new athletic facilities. All athletic facility upgrades are compliant with the Americans with Disabilities Act (ADA) and follow the district's health, safety and security standards. The project will include:

- Providing ADA access to all areas of the stadium from the various parking areas and designated campus area to the stadium field area and baseball/softball field area as well as lighted accessible paths to the athletic facilities.
  - Upgrading girls softball field to meet Title 9
  - New synthetic turf practice/soccer field
  - New scoreboards for all fields.
  - New Alumni Paver Plaza at entrance of home side to provide donor brick fundraising opportunities for alumni and other stakeholders
  - Plaza area to be enclosed by new ornamental fencing
- (Continued on next page)



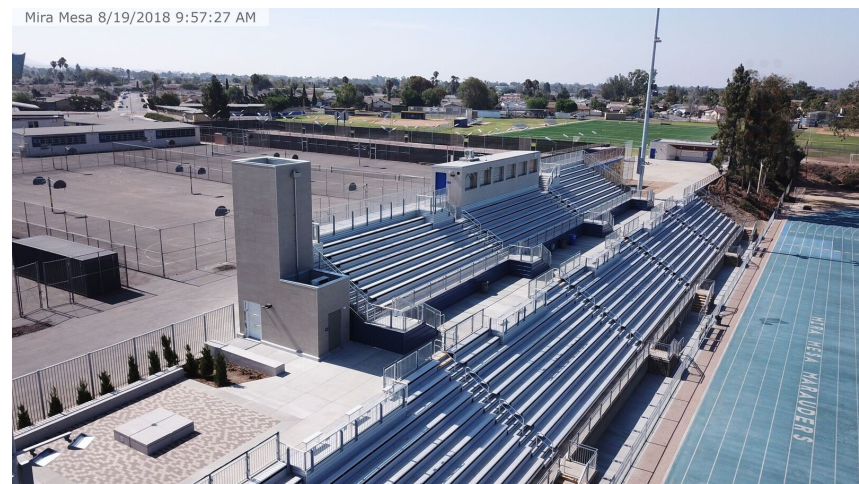
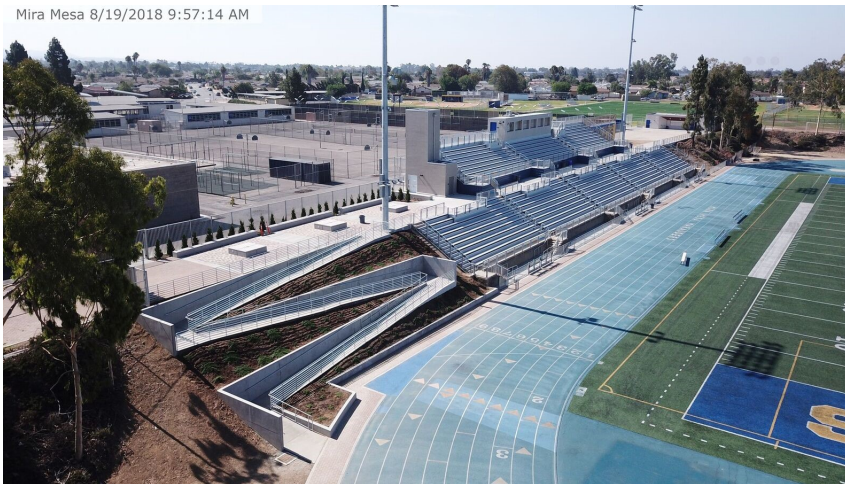
New synthetic turf field

# Mira Mesa High School Stadium Improvements



Additional stadium improvement features include:

- Renovation of the existing home and visitors side bleachers, press box, home side entrance, restrooms and snack bar
- New structures to stadium area: elevator for access to press box, ticket booths, softball dugouts and bull pen
- New shot-put and discus areas
- New lighting for Athletic Field, Plaza exterior and security
- Security cameras, public address system and assisting listening devices along with controls at the press box location







# Mira Mesa High School

## Site Modernization



Estimated Construction Completion: Spring 2021  
Funding: Proposition Z

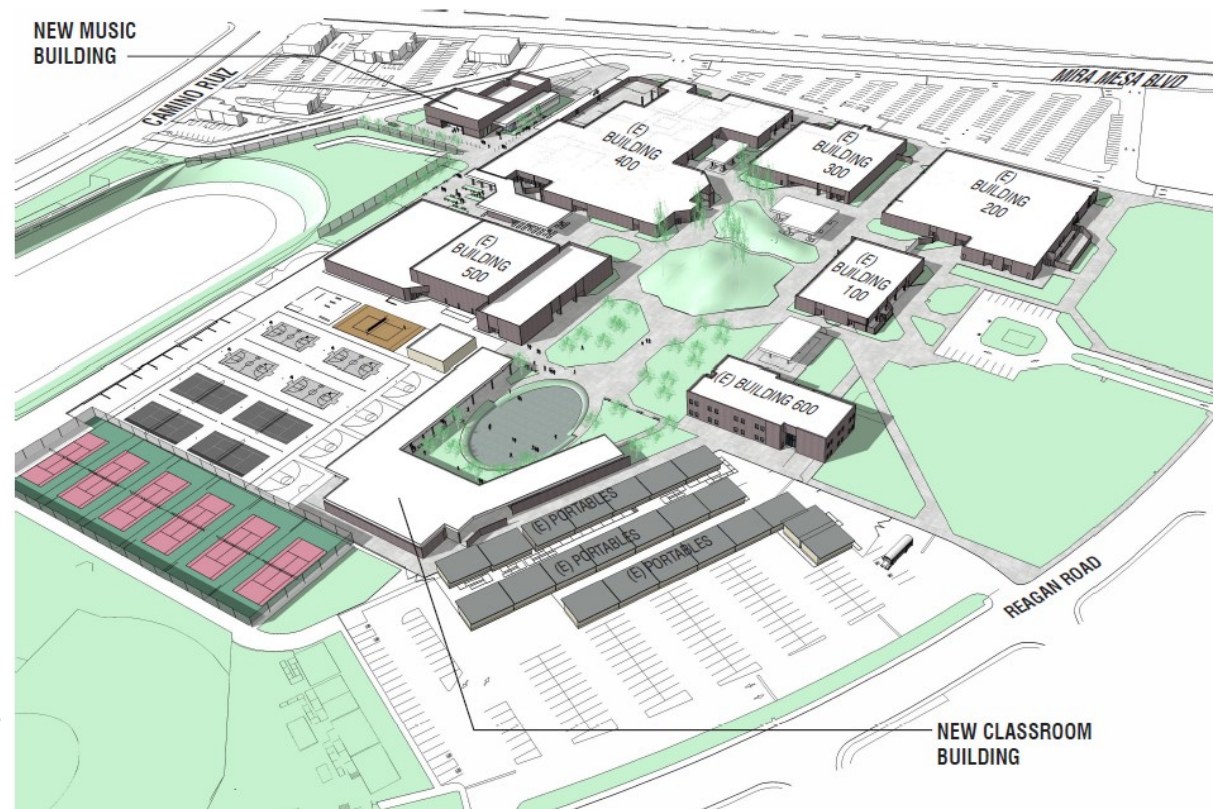
The Site Modernization project will make improvements to the learning environment, health, safety and security of the students as well as upgrade accessibility to comply with American's with Disabilities Act (ADA). The following are the items being proposed:

### New construction to the campus -

- Removal of 22 existing portable classroom structures from the campus
- Build a new instructional classroom building (approx. 17,000 sf) with 12-14 classrooms and support rooms
- Build a new music building (approx. 14,000 sf) to include a Band Rehearsal Room, Orchestra Rehearsal Room, and spaces for practice, storage, faculty and building support systems

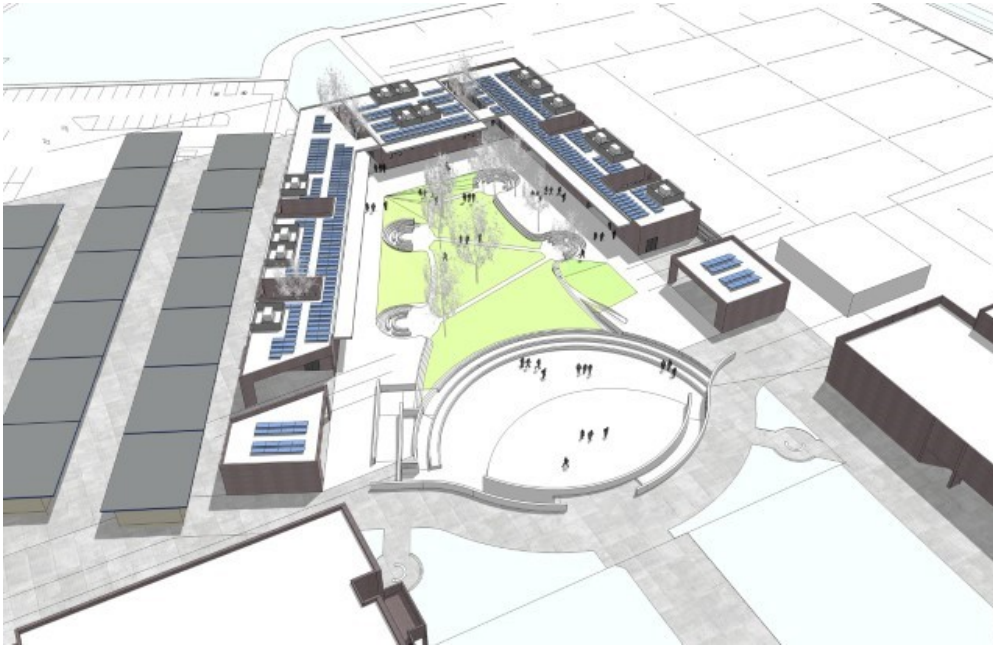
### Site improvements to the campus -

- Upgrades to the public address system
- Upgrades to the fire alarm systems
- Upgrades to the ADA Path-of-Travel
- VoIP Solar System
- i21 suites in new classrooms
- Remodel/Renovate of existing classroom spaces, campus wide
- Resurface existing parking lots with new Asphalt



Proposed aerial of site plan

# Mira Mesa High School Site Modernization



Proposed plan of new classroom buildings



Rendering of outdoor classroom



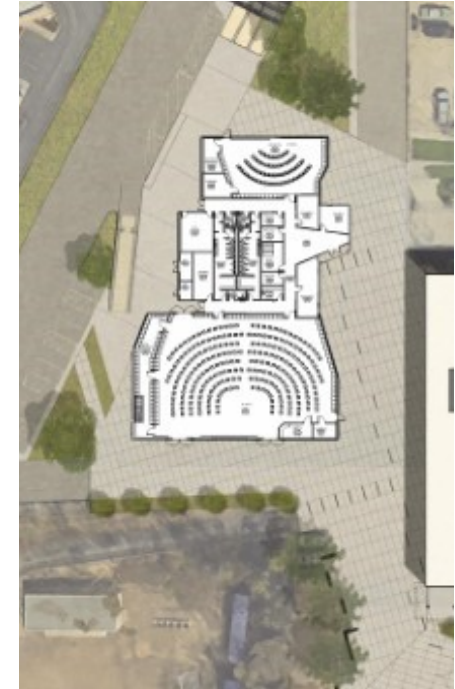
Rendering of courtyard of new classroom buildings



Rendering of new classroom interiors



# Mira Mesa High School Site Modernization



## Renderings of the new Music Building:

- Exteriors
- Site plan
- Interior





# Mira Mesa High School

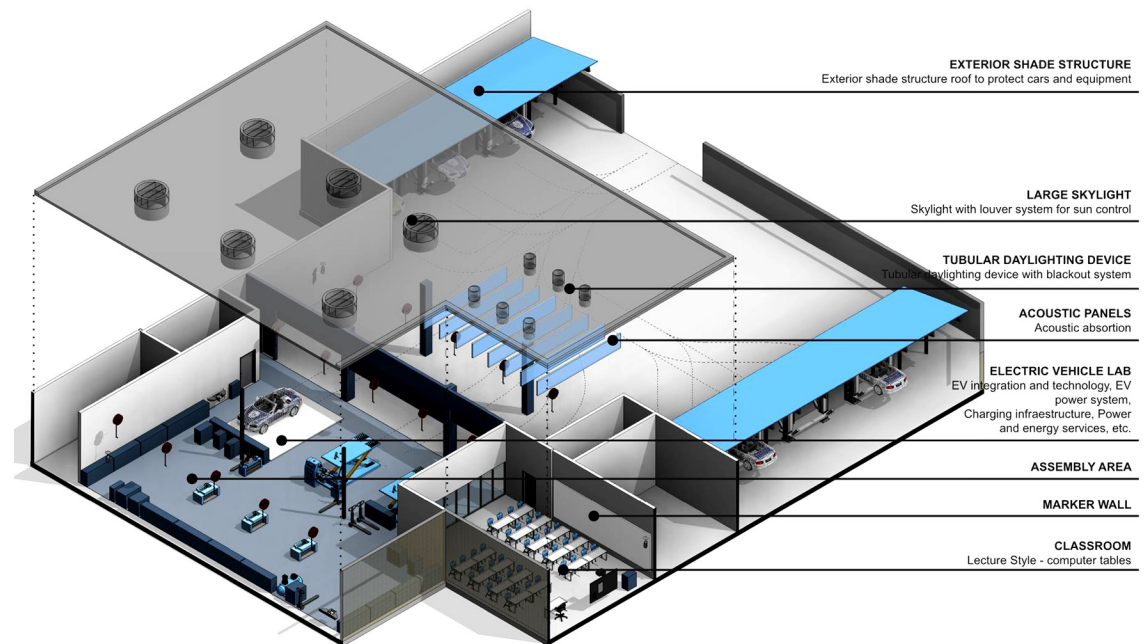
## CTE Transportation



Estimated Construction Completion: Fall 2020  
Funding: Propositions Z and 51

The Mira Mesa High School CTE Transportation project remodels an automotive classroom and shop in building 400 into a state of the art transportation instructional facility that emulates current industry standards. There will be indoor and outdoor instructional areas for hands on learning by the students. New and improved building improvements and auto shop features include:

- Automotive post and scissor lifts
- Transmission jacks
- Electric vehicle lab
- Exterior shade structures
- Work stations
- Oil disposal system
- Acoustical panels
- Installation of Interior windows with views into the auto shop
- Upgrades to finishes and hardware
- Updated instructional technology equipment
- Upgraded HVAC and electrical systems



Rendering of new facility



## Mira Mesa High School CTE Transportation



Rendering of outdoor/auto bays area



Rendering of indoor auto shop