

SHAPING FUTURES

CHAFFEY HIGH SCHOOL Math and Science

 **Tilden-Coil**
CONSTRUCTORS
Building with Integrity Since 1938

New 3-story Math and Science Building,
Chaffey Joint Union High School District

Architect: DLR Architects

55,000 square feet

*"We picked Tilden-Coil because we felt they had the
best combination of experience and talent to build
this facility."*

Ann Sparks
Bonita Unified School District

Founded in 1901, Chaffey High School has a rich 117 year history in Ontario, California, and is one of eight high schools in the Chaffey Joint Union High School District. Under the leadership of Dr. George Matamala, approximately 3,300 students in grades 9-12, along with faculty, administrators and staff, are living Chaffey High School's Mission, "To engage students in a rigorous curriculum that fosters ownership of learning and prepares all students for college and career success." One result of living this mission is the outstanding record of The Chaffey Academic Decathlon Team--San Bernardino County Champions for 8 of the past 9 years. The Team regularly places in the Top 10 in the State of California Academic Decathlon. Go Tigers!

Early in 2014, Tilden-Coil Constructors, serving as the Chaffey Joint Union High School District's Program Manager, studied the cost and benefits between building a new Math and Science Building, while allowing an existing building to be utilized as temporary classroom swing space, versus installing portable classrooms on campus. Given the tight space constraints across the campus, the full utilization of existing classroom space and the criteria required for state-of-the-art science laboratories, the District chose to invest in a new Math and Science Building for greater long term benefit to student learning, saving millions in portable classroom cost.

This new Math and Science Building for Chaffey High School is a key element of the facility master plan for the Chaffey Joint Union High School District, and in partnership with Tilden-Coil this new building has been realized! With input from students, teachers and parents, and the public support of Measure P, the new 55,000 square foot, three story, \$20 Million, Math and Science Building was completed and ready to receive students for the 2017/2018 academic year. A structural steel frame and exterior plaster finish envelops eighteen state-of-the-art classrooms and twelve science laboratories supporting student learning outcomes in STEM. Honors and Advanced Placement courses in calculus, integrated math, biology, chemistry, physics and anatomy/physiology will now be delivered in an education setting that better supports student learning outcomes and excellence.

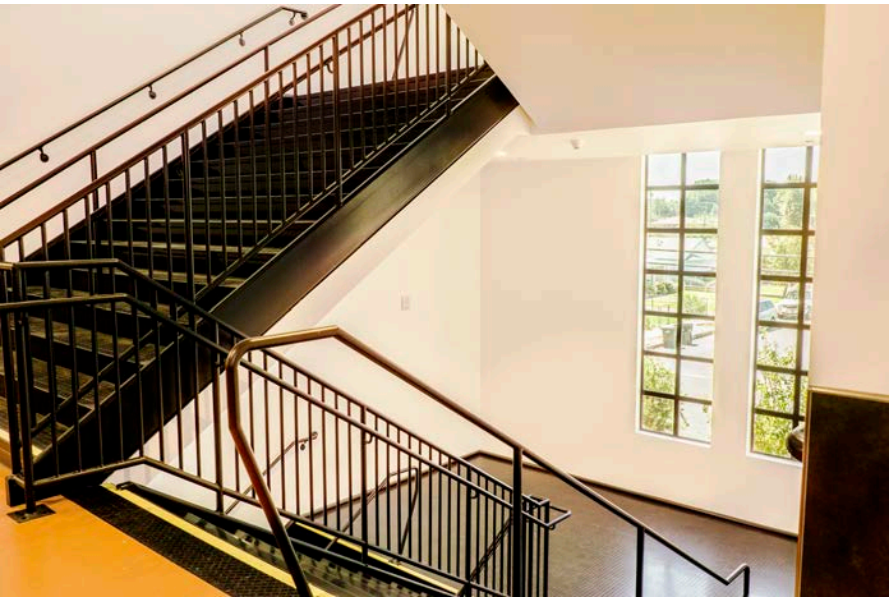


Tilden-Coil partnered with the District on a CM-Multi-Prime delivery. DLR Group served as the project architect and delivered a design that was both respectful and complimentary of the historic campus setting while incorporating the latest technology and context for future learning environments. To match the aesthetics of the 1930's windows on campus, Tilden-Coil installed pre-

glazed powder coated steel windows. The windows were factory glazed and installed as a complete unit to maintain consistency with the historic integrity of the campus.

In keeping with Tilden-Coil's service model to adapt and meet client needs, Tilden-Coil coordinated successfully with both the cabinet and millwork subcontractor and the manufacturer to add substantial casework to the science labs at the District's request midway through construction. Although casework is typically a long lead-item, Tilden-Coil's immediate action, coordination and solution oriented approach accomplished the fabrication and installation of the additional casework while maintaining the original target delivery date with no delay in substantial completion.

Also at the District's request, during the plumbing rough-in for the science labs, four electronic shut off valves for water/gas were added to each of the twelve labs to improve both student safety and instructional protocols. Leveraging subcontractor relationships, the piping layout was redesigned to provide the best option to minimize time and cost.



Charles Uhalley, long time Board member of the District, shared this perspective at the project groundbreaking:

"The groundbreaking of this building represents an investment of the future and our community has always stepped up when the money is needed because they know, understand, and appreciate the value of education. This building which is going to be a part of this historic community will live on for years as a result of the generosity of the people of this community."





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