



WARRIOR VILLAGE PROJECT®

501 (c)(3) Nonprofit

The Bugle: Vol 6, Issue 3, March 2024

www.WarriorVillageProject.com

PROGRESS REPORT

San Marcos Unified receives Pre-Apprenticeship designation in Career Technical Education Construction Pathway

San Marcos Unified School District's Construction Pathway allows students to "earn while they learn", becomes the first district in North County to receive this designation.

"SAN MARCOS – The San Marcos Unified School District (SMUSD) has received approval from the California Department of Industrial Relations (DIR) and its Division of Apprenticeship Standards (DAS) that their Construction Pathway, part of the district's Career Technical Education (CTE) program, now has Pre-Apprenticeship designation."

Read the whole story on [Page 2](#).

Fox 5 KUSI News reporter [Allie Wagner](#) was at [San Marcos High School](#) at 06:00 on Thursday, March 21 to do live news segments on SMUSD's Residential Construction Pre-Apprenticeship Program. Teenagers aren't morning people, but four of our construction students drug themselves out of bed to demonstrate their building skills for KUSI. Watch the KUSI video clips by clicking below.

KUSI News (1st segment):

[Pre-Apprenticeship Program at SMUSD](#)

KUSI News (2nd segment):

[Pre-Apprenticeship Program at SMUSD](#)



IN THIS ISSUE

Progress Report.....	1
VIP Profile.....	2
Schools.....	3
Construction Update.....	4
Partners.....	5
Sponsors.....	6
Donate.....	10

EVENTS

Design Build Competition

April 10th and 11th
Golden West College
Huntington Beach, CA

VIP PROFILE

Our Students

The good news about Career Technical Education just keeps coming.....

San Marcos Unified receives Pre-Apprenticeship Program designation in Career Technical Education Construction Pathway

San Marcos Unified School District's Construction Pathway allows students to "earn while they learn", becomes the first district in North County to receive this designation.

SAN MARCOS – The [San Marcos Unified School District](#) (SMUSD) has received approval from the California Department of Industrial Relations (DIR) and its Division of Apprenticeship Standards (DAS) that their Construction Pathway, part of the district's Career Technical Education (CTE) program, now has Pre-Apprenticeship designation.

"Having our Construction Pathway receive Pre-Apprenticeship designation means that students looking for high-paying jobs in the construction field will be able to take appropriate coursework while in high school and simultaneously earn 180 hours of experience in a trade," says Nicole DiRanna, Director of K12 Equitable Curriculum and Instruction. "Many of the students in our Construction courses are looking for apprenticeship programs when they graduate; this allows them to get a jump start on their career goals," remarked DiRanna.

California Division of Apprenticeship Standards (DAS) registered Pre-apprenticeship programs prepare individuals to enter and succeed in DAS Registered Apprenticeship programs. Beginning in the fall of 2024, San Marcos High School will begin offering a registered Pre-Apprenticeship Program with the Associated General Contractors (AGC) of San Diego, allowing students to earn up to 180 hours of experience in high school, before formal acceptance into the AGC Apprenticeship program upon graduation. *"Prior to this, our Construction program had built and maintained a strong working relationship with AGC,"* said DiRanna. *"This is the next natural step in the evolution of our partnership with them."*

Students who enter the Pre-Apprenticeship program will not only receive a free pair of work boots and a tool belt, but upon graduation will also be able to "earn while they learn" as a full time apprentice in the Construction Industry earning a median salary of \$76,928.



"Engaging coursework and partnerships like these not only help our students become ready for the next step after high school, or as we call Future Ready, but they also create a pipeline in areas of our local economy that need this skilled workforce," says Dr. Andy Johnsen, SMUSD Superintendent.



SAN MARCOS
UNIFIED SCHOOL DISTRICT
engaging students... inspiring futures



CONSTRUCTION UPDATE, SMHS

- **Chapter 1 Trailer**
- **Chapter 2 Framing**
- Chapter 3 Rough Plumbing
- Chapter 4 Rough Electrical
- Chapter 5 Wall sheathing
Roofing Shear
Moisture Barrier
- Chapter 6 Roofing
- Chapter 7 Windows and Doors
- Chapter 8 Rain Screen
Exterior
Exterior Trim
Finish
- Chapter 9 HVAC
Venting
- Chapter 10 Insulation
- Chapter 11 Interior Wall
Ceiling Covering
- Chapter 12 Interior Cabinetry
Installations
Flooring
Fixtures
- Chapter 13 Interior Trim
Finish
- Chapter 14 Finish Plumbing
Electrical
Fixtures
- Chapter 15 Finish Hardware
Touch-ups
- Chapter 16 Health & Safety
Final Testing
Certification Sub
mission

San Marcos High School: Chapter 2

Rainy weather continued into March, but it didn't slow our SMHS students down; they worked under a tarp to keep themselves and their tiny house dry. March was our month for installing structural hardware donated by [Simpson Strong-Tie](#).

Our SMHS student builders finished installing [16-Gauge Galvanized Coiled Strap](#) around the perimeter of the house. The strap provides additional structural strength to the house that must withstand potholes and cross winds on trips down the highway. The perimeter of the house is about 60 feet. With sixteen [10d x 1-1/2" SCN Smooth-Shank Connector Nails](#) (aka Tico Nails) required per foot of strap, that's a lot of nailing.

The students pounded more Tico Nails to complete the installation of twenty-two [H2.5A Hurricane Ties](#) and four [A35 Framing Angles](#) to secure 13 rafters to the top plates of the exterior walls.

The students also finished the installation of nine [HTT Heavy Tension Ties](#) around the perimeter of the house to secure the base plate of the walls to the trailer foundation. The hard part was not nailing 18 Tico Nails required per Tie into the wall studs. The challenge was drilling holes through the 1/4" thick steel frame of the trailer foundation to accommodate 5/8" diameter hex hold-down bolts.

We couldn't install the Tension Ties on the front and back walls to the trailer foundation, because the center line of the base plate, where the bolts would have been installed, lay directly over the vertical 'web' or center of the I-beam. Ryan Swenson, Simpson Strong-Tie Territory Manager, identified Simpson Strong-[TF Wood-to-Steel Screws](#) as the fastener for the job and delivered them to the job site for us. Thanks Ryan!

Our SMHS students pounded almost 1,400 Tico Nails in March!



(continued on page 4)

CONSTRUCTION UPDATE, SMHS (continued)



(continued on page 5)

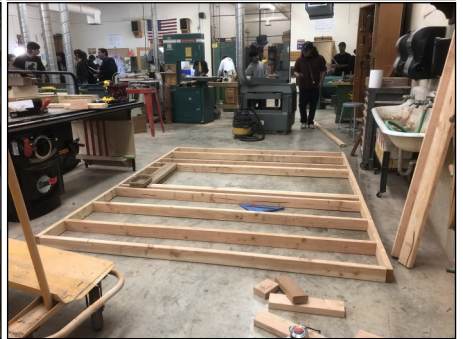
CONSTRUCTION UPDATE, SPHS

San Pasqual High School: Chapter 1

- **Chapter 1 Trailer**
- Chapter 2 Framing
- Chapter 3 Rough Plumbing
- Chapter 4 Rough Electrical
- Chapter 5 Wall sheathing
Roofing Shear
Moisture Barrier
- Chapter 6 Roofing
- Chapter 7 Windows and Doors
- Chapter 8 Rain Screen
Exterior
Exterior Trim
Finish
- Chapter 9 HVAC
Venting
- Chapter 10 Insulation
- Chapter 11 Interior Wall
Ceiling Covering
- Chapter 12 Interior Cabinetry
Installations
Flooring
Fixtures
- Chapter 13 Interior Trim
Finish
- Chapter 14 Finish Plumbing
Electrical
Fixtures
- Chapter 15 Finish Hardware
Touch-ups
- Chapter 16 Health & Safety
Final Testing
Certification Sub
mission

The rainy season in Escondido continued into March. Our students spent much of the month indoors, in the classroom listening to teacher Brandon Tarrac's lectures on framing, plumbing and other trades. The students also worked in their workshop on a variety of building trades projects.

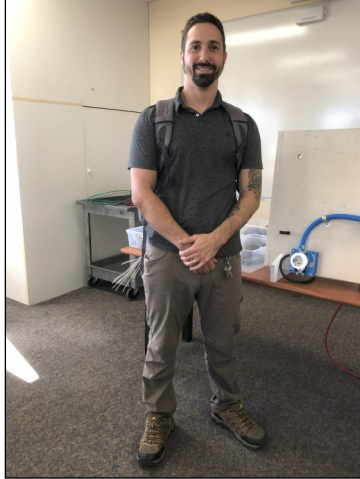
On a typical day, I found some students assembling a toilet, others connecting the water lines to a sink, and others watching a video on framing fundamentals. The team building SPHS' moveable tiny house honed their framing skills in the work shop, before taking the show outside to their tiny house. Work was paused for a week during the school's Spring Recess from March 21 - 29.



(continued on page 6)

CONSTRUCTION UPDATE, SPHS

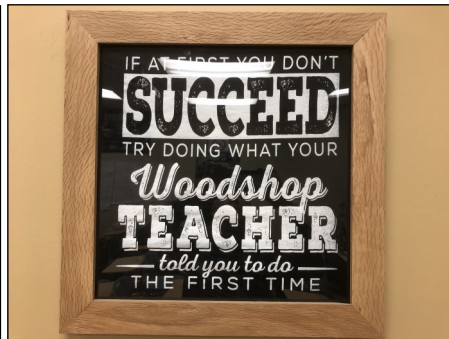
When I watch San Pasqual teacher Brandon Tarrac work with his construction class on his 2-hour block class days, I am reminded of the Roy Kent Anthem. If you are a [Ted Lasso](#) TV fan, you know that Roy Kent was the fan's favorite player on the A.F.C Richmond Football (soccer) Club. When Roy was excelling on the field, the fans would sing: "[He's here, he's there, he is every f!@king where, Roy Kent!](#)" (don't click if you are offended by off-color language!).



Brandon doesn't remind me of Roy Kent because they are both Hollywood handsome doppelegangers; but, because in the classroom, Brandon is here, he's there, he's everywhere!

One minute he is teaching framing to his tiny house framing team. Then he is quizzing two other students on the basic operation and repair of a toilet, before heading off to teach other students how to glue PVC pipe joints or connect a sink to the water supply line and drain.

Then, for good measure, he shows two interns from the [Del Lago Academy](#) how to make a cutting board from strips of different species of wood. He's here, he's there, he's everywhere!



PARTNERS

TinyFest California 2024

The annual [TinyFest California](#) was held at the Del Mar Fairgrounds on Saturday and Sunday, March 16 - 17. This year's event featured a line-up of beautiful tiny homes and ADUs, vibrant van builds, sensational skoolies (school buses converted into homes), and sustainable living solutions.

"TinyFest California is more than just an event; it's a celebration of a movement that encourages us to live intentionally, with a focus on what truly matters." Nenee Seevers, Producer of TinyFest

The movement is gaining momentum. [Daniel Fitzpatrick](#), President of the [Tiny Home Industry Association](#), reviewed the growing number of jurisdictions where tiny houses can be lived in legally. He described tiny home villages that are springing up around the country, as well as investment opportunities in tiny communities.

The [Tiny House Block](#) in Mount Laguna opened in 2019. It was the first legal tiny house on wheels (THOW) community in Southern California. [Rebuilding Green](#) is 'ReBranding' a former RV/Mobile Home Park in Santa Ysabel that it is converting to a tiny home village. They will be operating the village as a destination, hosting retreats, workshops and other events.

Ellen Stone of [Tiny Home Central](#), described the process for permitting a moveable tiny home ADU in San Diego. Ellen was the first to install a legal [Moveable Tiny House](#) in the City of San Diego. She hired Urban Corps San [Diego](#) to build her tiny home and it is currently housing an Urban Corps student.

Ellen invited Mark Pilcher of the Warrior Village Project to join her on the Main Stage. Mark talked about six San Diego County high schools that are currently building tiny houses in construction classes using Nick Mosley's [Tiny House, Inc.](#) curriculum and certification program. He described how the students were learning building trades while building affordable housing.



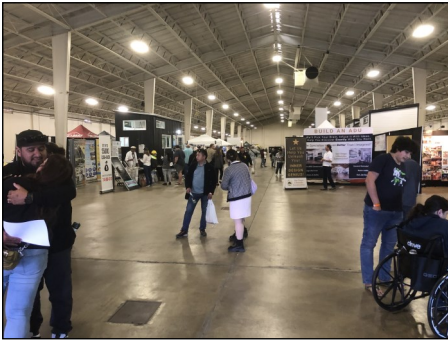
Nick Mosley of Tiny House, Inc. tells TinyFest attendees about his Tiny EDU program.



(continued on page 8)

PARTNERS

TinyFest California 2024 (continued)



SPONSORS

Thank You Sponsors!



TRUST, SERVICE AND INNOVATION SINCE 1906



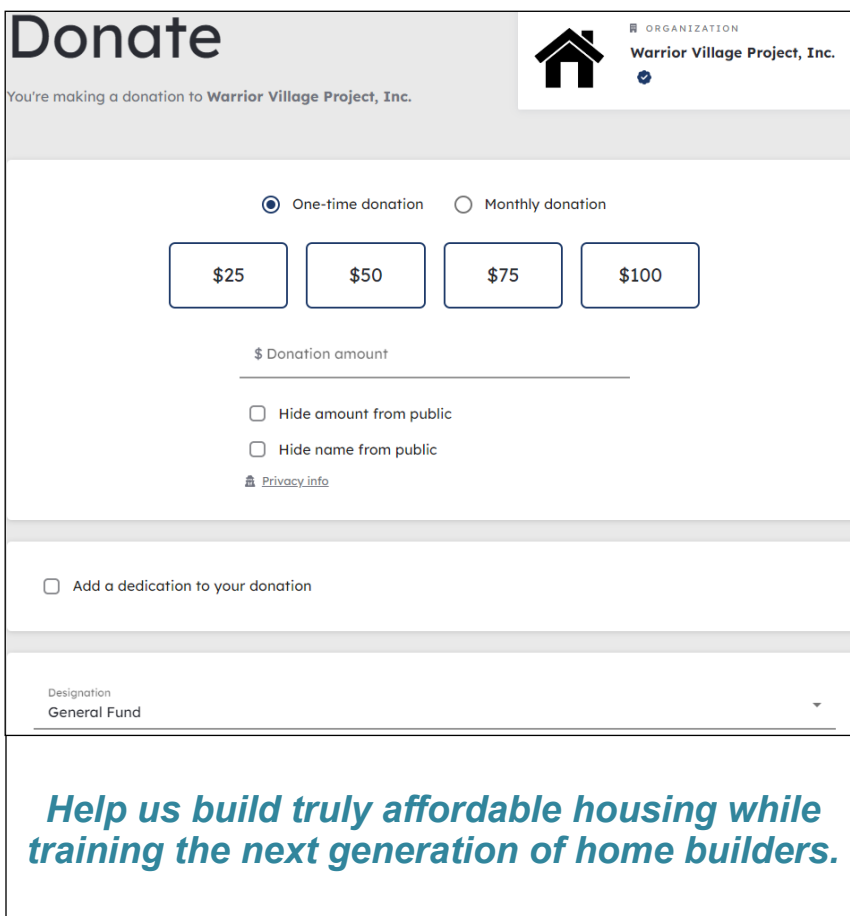
DONATE TO THE WARRIOR VILLAGE PROJECT

The Warrior Village Project has joined the San Diego Gives 2023 Campaign. It is easy to donate to the Warrior Village Project through the [San Diego Gives online platform](#). Your donation will go to the Warrior Village Project General Fund to purchase materials to build Moveable Tiny Houses in high school construction classes in San Diego County.

The trailer foundation and building materials required for one Moveable Tiny House (MTH) cost about \$34,000. The curriculum and the inspection and certification package cost about \$6,000.

The cost of installing an MTH as an Accessory Dwelling Unit will depend on the site. But, it should cost about \$20,000 per house. Hence, we can provide a permanent, fully equipped tiny house for a homeless person for about \$60,000 per unit.

According to the [Turner Center for Housing Innovation at UC Berkeley \(March 2020\)](#): *“Between 2016 and 2019 the costs to develop a new affordable unit under the Low-Income Housing Tax Credit (LIHTC) program have increased from \$425,000 per unit to more than \$480,000 per unit.” “These escalating costs represent a significant challenge to a state struggling with an affordable housing crisis, and erode the impact of the increased public subsidies directed toward building new housing.” Isn’t it time to build truly affordable housing?*



PROJECT CONTACTS

Volunteer	Mark L. Pilcher	760-666-0077 ...	Mark@WarriorVillageProject.com
CHF BITA Program Dir.....	Jill Herman	916 412-7118	JHerman@mychf.org
CHF CTE Coordinator	Mike McSweeney ...	619-884-5354	MMcSweeney@mychf.org
SMHS BITA Instructor	Chris Geldert.....	760 390 2388 ..	Chris.Geldert@SMUSD.org
The San Marcos Promise ..	Lisa Stout.....	760-290-2373 ..	Lisa@TheSanMarcosPromise.org

SUBSCRIBE TO OUR NEWSLETTER

If you would like more information about the Warrior Village Project visit our WarriorVillageProject.com website, or email Mark@WarriorVillageProject.com. You can also subscribe to our monthly [Newsletter](#).