

## Career Technical Education and Agricultural Farm

Hello SMJUHSD AG Community,

The SMJUHSD CTE Center and Agricultural Farm (CTECAAF) has now been open for business since March 2021. We started farming in May and Students started classes in the Machine Shop and Construction Shop in August.

Our farm endeavors up to this point have been exciting and complicated. We have seen all three schools coming together multiple times for planting and weeding. The comradery and mutual work have been fun to watch and be a part of. The work has been hindered by equipment availability, COVID delays in ordering, and water availability amongst other things. We have also been working towards establishing practices, procedures, norms, and workflow. This is a new endeavor for all of us and there has been a great amount of learning involved in how to operate a district farm with many people involved. We now have most of our equipment ordered and on site (see page 3) and we should be well equipped by the end of the semester. We also have the watering schedule figured out with water coming on M/W/F/Sa from 6a-12p.

Further work being done:

- We have engaged the services of a Pest Control Advisor for ongoing assistance regarding: fertilizers, pesticides, herbicides, and soil samples
- Had the plots informally surveyed by a community volunteer
- We have contracted with an irrigation design company (IDC) to assist with developing the irrigation design
- Met with community partner PLANTEL for input on design, their capability in our space, and our overall farming rhythm
- Opened up purchase orders to be able to get supplies quickly including seed, transplants, equipment, etc.

I look forward to working with our Agricultural Community as we continue to develop plans and provide a cutting-edge experience for students. I thank all involved up to this point for their time and patience.

Respectfully,

Dr. Paul Robinson  
Director of Career Technical Education



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### SPECIAL POINTS OF INTEREST

- Pumpkins almost ready for harvest
- Abundant Crops
- Large Equipment

# Commercial and Residential Construction

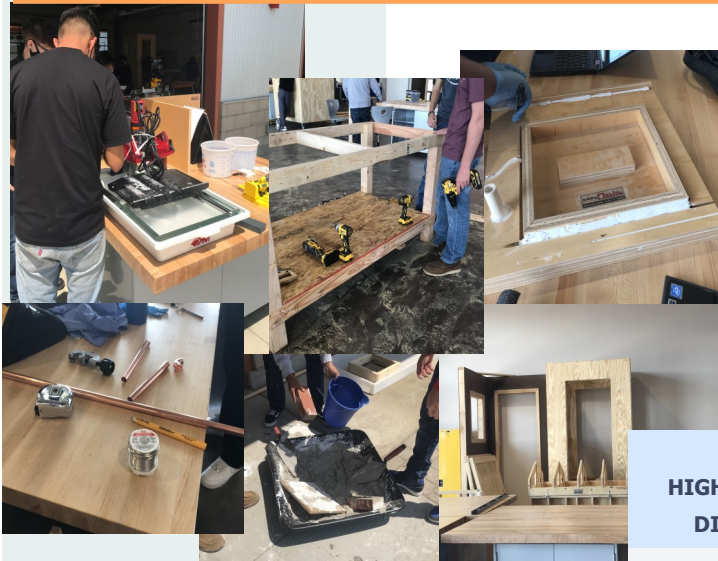
**Industry Sector:**

*Building and Construction Trades*

## Students will learn skills of :

General practices within industry:

- Framing
- Electrical
- Plumbing
- Weatherization
- Blueprint Reading
- Drywall
- Tile Setting
- Roofing, and more.



## POTENTIAL CAREERS

| HIGH SCHOOL DIPLOMA            | 2 YEAR COLLEGE DE-                  | 4 YEAR COLLEGE DE-               |
|--------------------------------|-------------------------------------|----------------------------------|
| Carpenter Apprentice           | Electronic Technician               | Quality Control Manager          |
| Cabinetmaking Apprentice       | Maintenance Supervisor              | Environmental and Safety Manager |
| Machine Operator               | HVAC Technician                     | Product Designer                 |
| Draftsperson                   | Environmental Materials Technician  | Manufacturing Engineer           |
| Electrical Repair Person       | CAD Technician                      | Construction Manager             |
| Electronic Equipment Installer | Building Constructor                | Building Inspector               |
| Maintenance Technician         | Cabinetmaking                       | Architect                        |
| Laborer                        | Furniture Maker                     | Engineer                         |
|                                | Iron Worker                         | Designer                         |
|                                | Heavy Construction Journeyman       | Building Trades Instructor       |
|                                | Plumber                             | Business Owner                   |
|                                | Contractor                          |                                  |
|                                | Computerized Numerical Control Tech |                                  |

## NEXT STEPS

- Transition to Cuesta Community College Construction Technology Program
- Transition to AHC Architecture Drafting Program
- Transition to a 4 yr. university (Cal Poly) to study Architecture, Architectural Engineering, Construction Management, etc.



# Agricultural Equipment Update

## On site:

2—Four seat Gators with trailers

Kubota Utility Tractor

Ripper

Hay Bailer



## Ordered:

John Deere 6130 Series “Mudder”

John Deere 7R230 Ground Prep Tractor

Manure Spreader

4 Bed Drip tape Injector

Grain Drill

Bed Shaper

Land Plane

4 Bar Cultivator

Fertilizer Injection System



## Sourced Equipment:

Plow

Harrow

Drip Extractor

Mower 5'

Tongue Mower

Drip Lifter

## Other Equipment On Site:

John Deere Loader/Backhoe

Mini Excavator

Miscellaneous Attachments

Skid Steer



Santa Maria Joint Union  
High School District

“The CTE Center/Agricultural Farm Project has been envisioned as a 21st century environment for “hands-on” and mentored learning within capstone classes for a number of the District’s pathway programs. These classes will focus on various subjects that directly relate to high demand careers in agricultural sciences, culinary arts, construction, and diesel mechanics with the aim to improve students’ job skills and enhance students’ ability to transition from high school to the labor force or college. The project includes the construction of CTE workshops, an Agricultural Farm, and a CTE Pavilion.”

Citizen Bond Oversight Committee

## Meet Our Staff

Director of Career Technical Education

Dr. Paul Robinson

Teacher: Machining and Forming

Mr. Dan Howard

Teacher: Building and Construction

Mr. Glen Holmes

Administrative Assistant

Ms. Meredith Brough

Farm Technician

Mr. Blake DeBernardi

Farm Technician

Mr. Erik Fulton

Grounds/Custodial

Mr. Greg Gentile



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