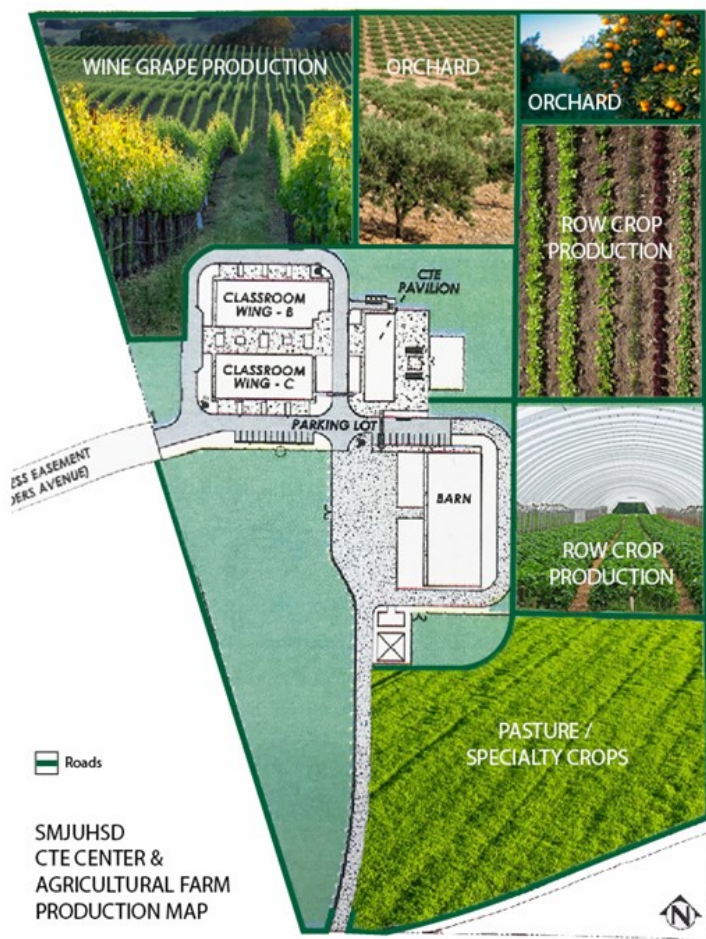


Career Technical Education and Agricultural Farm

The SMJUHS Board of Directors officially accepted substantial completion of “The Center” on the May 11th, 2021 . This gave us the green light to start working the land and officially occupying the buildings. We have held Agricultural Advisory Meetings in May and have offered the facility to other programs so we have hit the ground running.



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SPECIAL POINTS OF INTEREST

- Pumpkins are in the ground
- Machining and Forming Shop almost completed
- Construction Shop update

Machining and Forming Shop

Industry Sector:

Manufacturing & Product Development

Pathway 212

Machining and Forming

Students will learn skills of :

Computer Aided Drafting and Manufacturing (CAD/CAM)

Operating Conventional and Computer Numerical Controlled machinery (CNC)

Programming CNC machinery

Master Cam

SolidWorks

Interpreting Blueprints

Quality Control



Students can easily transition to Hancock College and take the next course in the sequence or to the Cal Poly Engineering Program with skills and an ability to take freshmen machining classes with confidence.



Left: Tool boxes are lined up next to each Manual Lathe

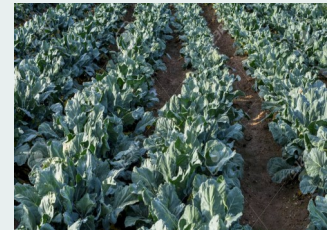
Top Right: CNC Machines are ready for operation

Bottom Right: Manual Drills line the back wall of the classroom



Future Farm Plans

Working alongside the Agricultural Department Chairs, we are planning which crops will benefit the student learning process. We are in talks with Jackson Family Wines regarding vineyard plantings. Crops considered have been corn, hay, beans, leafy vegetables, and much more



Pumpkins are in the Ground

On a typical Santa Maria morning the fog turned into a clear blue sky and approximately 40 students and teachers came together to plant our first crop in the fields. Over a two day period 3 acres were covered with transplants. Holes 2 inches deep were created on either side of an irrigation line and the plantings were placed and patted into the prepared soil. Over the next 90 to 120 days the plants will be weeded, watered, and fertilized by students and our farm technicians. Several varieties of pumpkins were planted so there will be a perfect size for everyone.



Construction Shop —working on setup



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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