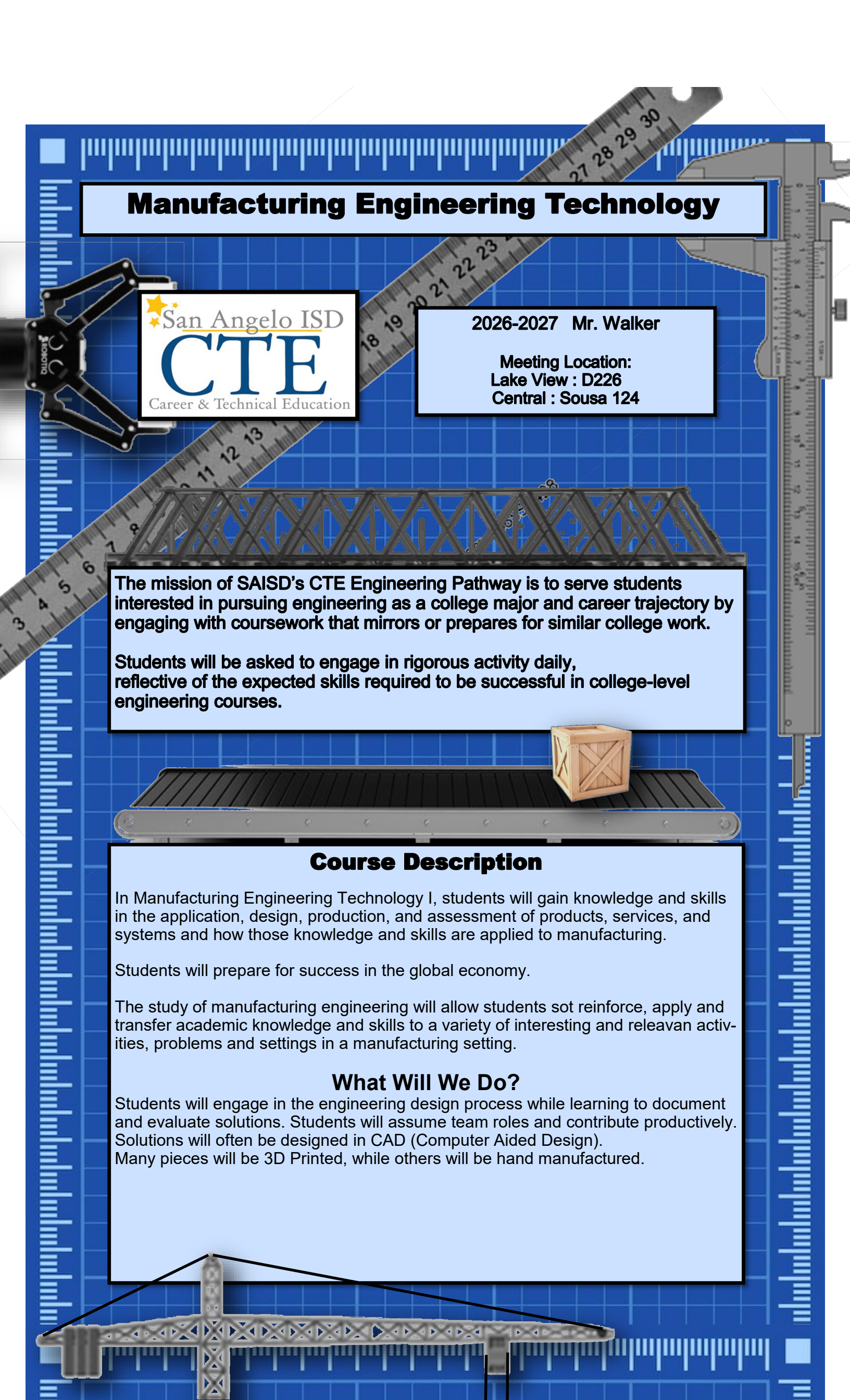




Manufacturing Engineering Technology

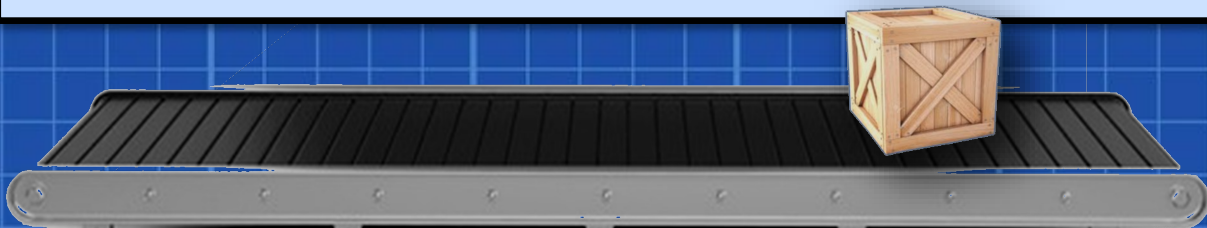


2026-2027 Mr. Walker

Meeting Location:
Lake View : D226
Central : Sousa 124

The mission of SAISD's CTE Engineering Pathway is to serve students interested in pursuing engineering as a college major and career trajectory by engaging with coursework that mirrors or prepares for similar college work.

Students will be asked to engage in rigorous activity daily, reflective of the expected skills required to be successful in college-level engineering courses.



Course Description

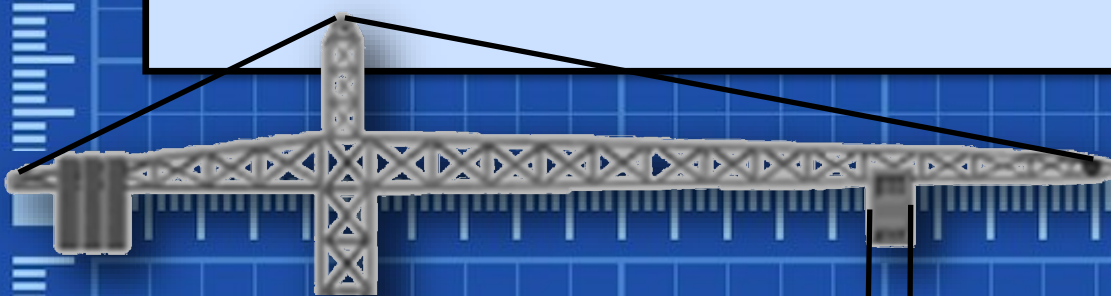
In Manufacturing Engineering Technology I, students will gain knowledge and skills in the application, design, production, and assessment of products, services, and systems and how those knowledge and skills are applied to manufacturing.

Students will prepare for success in the global economy.

The study of manufacturing engineering will allow students to reinforce, apply and transfer academic knowledge and skills to a variety of interesting and relevant activities, problems and settings in a manufacturing setting.

What Will We Do?

Students will engage in the engineering design process while learning to document and evaluate solutions. Students will assume team roles and contribute productively. Solutions will often be designed in CAD (Computer Aided Design). Many pieces will be 3D Printed, while others will be hand manufactured.

A large industrial crane structure, possibly a gantry crane, with a long horizontal beam supported by two vertical pillars. It is positioned at the bottom of the page.

**Engineering Pathway
Industry- Based Certification:**



AUTODESK Fusion

Certified User—Autodesk Fusion

Grading Policy

Due Dates for assignments will be clearly posted.
One minor assignment will be dropped after each progress report.

40% Minor Grades

Independent Practice, Daily Work,
Project stages
8-10/Quarter

60% Major Grades

Summary Projects,
Major Milestones,
Daily Professional Conduct
3-4/Quarter

School Policy on Late Work:
One makeup day received for each day absent.

Lesson plans can be viewed on the classroom website:



Classroom Technology

Microsoft Onenote
Google Suite
Autodesk Fusion
Festo Meclab, FluidSIM
Polyscope
Arduino Coding Environment

Class Norms:

- Follow all safety guidelines.
- Respect yourself and others.
- Ask Questions at any time.
- Maintain a professional atmosphere.
- Follow the student code of conduct and class social contract.

Contact Information:

Email : Christopher.walker@salsd.org

As I move between campuses, email is the best way to reach me.

Conference Period :

Fourth Period, 11:47 - 12:36

