



TRANSPORTATION
INDUSTRY SECTOR

High-tech skills are driving higher wages

As transportation jobs make the transition to using more advanced electronics, there is a growing need for employees trained in green diesel and electrical engines.

Advanced Transportation jobs are expanding

State and national plans for transportation, energy, and environmental policies are encouraging the use of Advanced Transportation and renewable clean energy technologies that continue to expand jobs in this sector.



**CAREER
TECHNICAL
EDUCATION**
TWIN RIVERS UNIFIED
SCHOOL DISTRICT

www.trusd.net/cte

Twin Rivers Unified School District programs, activities, and practices shall be free from unlawful discrimination, harassment, intimidation, and bullying based on actual or perceived race, color, ancestry, national origin, ethnic group identification, age, religion, marital or parental status, physical or mental disability, sex, sexual orientation, gender, gender identity, or gender expression; or on the basis of a person's association with a person or group with one or more of these actual or perceived characteristics.

Green Engine
at Highlands High School

Systems Diagnostics, Service & Repair Pathway

This hands-on pathway introduces you to automotive, electrical and engineering fields. You'll get introduced to a wide range of industrial skills including engine repair, car and truck maintenance, diesel and electric motors, hydraulics, and even some welding.



While you're in High School

UNIQUE FEATURES

- Gain practical experience working with diesel engines, including disassembly, repair, inspection, and reassembly
- Develop a deep understanding of engine mechanics, fuel systems, electrical systems, and emission control systems
- Learn and adhere to industry safety standards and best practices, ensuring a safe working environment
- Service and diagnose large semi-trucks and air brake systems
- Build and ride go-karts powered by electric motors, learning about batteries, soldering, and troubleshooting along the way

COLLEGE CREDIT & CERTIFICATES

- Earn college credits through Dual Enrollment at American River College
- Complete only one more college class to earn your certificate in Preventative Maintenance at American River College
- Continue with just two more classes and you can earn a second college certificate in Clean Diesel Technology

How to participate!

- ⌘ Find out more program info from a CTE teacher on campus
- ⌘ Make an appointment with your counselor to plan your classes



Pathways in college and beyond

Community college programs provide a great opportunity to continue your training and prepare for your first job. You will receive the same quality training as private programs, but for only a fraction of the price.

COLLEGE MAJORS

- ⌘ Diesel Technology
- ⌘ Automotive Technology
- ⌘ Automotive Collision Technology
- ⌘ Mechanical Engineering

POTENTIAL CAREERS

- ⌘ Truck Mechanic
- ⌘ Heavy Duty Equipment Technician
- ⌘ Diesel Engine Specialist
- ⌘ Aircraft Mechanic
- ⌘ Automotive Service Technician

