



SECTOR SPOTLIGHT: TRANSPORTATION (SYSTEM DIAGNOSTIC & REPAIR)

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STUDENT QUESTIONS & ANSWERS

Why did you pick this pathway?

Since I was a little kid, my dad took me to work on cars and that's when I realized I enjoyed hands-on work. I don't like computer work, so this pathway is a good fit for me. It allows me to learn by doing while exploring a career I'm interested in.

Favorite thing you have learned in your pathway:

My favorite thing I learned in my pathway is that there are always different ways to get a job done.

Briefly describe your participation in experiences and activities related to your pathway.

I regularly work on cars outside of school whenever I have the opportunity.

Favorite memory of being part of the pathway:

My favorite memory of being part of my pathway was visiting a car dealership and getting a firsthand look at how it is to work in a professional automotive shop.

Advice to students interested in your pathway:

The Auto Pathway isn't as hard as it may seem and it can lead to a good paying career in the future.

Do your future goals include what you learned in your pathway?

Yes. The skills I am learning in my pathway connect to my future goals.

Plans after high school:

After high school, I plan to work as much as I can to gain experience, with the goal of eventually opening my own shop. I want to do custom work such as installing air ride or hydraulics on cars and trucks, along with performance upgrades, body work, and paint.

How has this pathway prepared you for the future?

The pathway is preparing me for the future by teaching me how to work with a team and be open-minded. Everyone thinks differently and someone else's way of getting the job done might be easier and faster than mine. It is also teaching me how to stay organized with my work.



★ PATHWAYS AT A GLANCE

The Transportation (System Diagnostics & Repair) sector prioritizes providing students with real-world, job-related experiences. At Dinuba High School, students can choose between two distinct pathways within this sector, both designed to prepare them for college and careers in the transportation industry. These pathways encompass a broad range of fields, including motor vehicles, small engines, and specialty equipment.

The **Automotive Pathway** establishes a strong foundation for students pursuing careers in the automotive transportation industry. The curriculum covers the design, construction, and mechanical functions of modern vehicles, focusing on areas such as engine repair, suspension and steering systems, brakes, and electrical/electronic systems. Additionally, students learn essential safety protocols and the proper use of automotive tools and equipment.

The **Aviation Maintenance Tech/Flight Science Pathway** provides students with a solid introduction to the aviation transportation industry. Courses focus on the theory and operation of aircraft airframes, power plants, and avionics systems, along with associated maintenance and repair practices. The program also includes an introduction to flight school, where students learn the fundamentals of flight training and ground school using flight simulators. Coursework for this pathway is conducted at Reedley College.

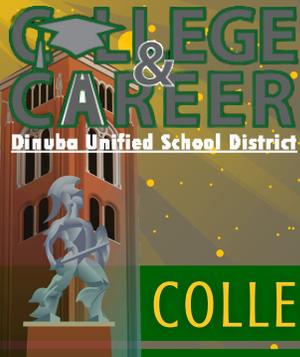
Both pathways combine academic and technical preparation with career awareness, exploration, and skill development. Students benefit from a blend of classroom instruction, hands-on experience, project-based learning, work-based learning opportunities, and leadership development.

PATHWAYS AT DHS

Automotive

Aviation Maintenance
Tech/Flight Science





TRANSPORTATION (SYSTEM DIAGNOSTIC & REPAIR)



COLLEGE KNOWLEDGE

Dinuba High School offers two hands-on pathways in Systems Diagnostic and Repair: Automotive Technology and Aviation Maintenance and Flight Science. Students in the aviation pathway take their aviation classes at Reedley College, gaining early exposure to college-level coursework and facilities. These pathways help students build practical skills they can use in college programs, certification training, or future careers.

Transportation and repair jobs are an important part of our regional economy and continue to grow. In Tulare County, nearly 10,000 people work in transportation, warehousing, and related jobs. Fresno County has tens of thousands of jobs connected to transportation, repair, and logistics, and Kings County also depends on these industries to keep goods moving and equipment running. Experts expect transportation and repair careers to continue growing, especially for workers with technical training and hands-on experience.

Students interested in automotive or aviation careers can continue their education at strong programs in Central California, such as Reedley College ([Auto](#), [Aviation](#)), and Fresno City College ([Auto](#)), or explore top programs across the state including San Jose State ([Aviation](#)), Cal Poly Pomona ([Aviation](#)) and Universal Technical Institute ([Auto](#)).

Click on the links above or use the QR codes to explore the programs at each college and university.



















EDUCATION LEVEL & RELATED OCCUPATIONS

Entry Level Careers (High School Diploma)

- Dispatcher 🏠 \$35,000-\$65,000 ↗ Increasing Demand
- Automotive Painter 🏠 \$40,00-\$70,840 → Stable Demand
- Auto Body Repair 🏠 \$35,000-\$76,220 → Stable Demand
- Train Operator 🏠 \$44,260-\$84,120 → Stable Demand
- Truck Driver 🏠 \$45,710-\$80,730 ↑ High Demand
- Small Engine Mechanic 🏠 \$30,000-\$55,000 → Stable Demand
- Shipping & Receiving Clerk 🏠 \$30,000-\$50,520 → Stable Demand
- Ships Crew 🏠 \$35,000-\$60,000 → Stable Demand

Technical Level Careers (Certificate and/or Associate Degree)

- Logistics Specialist 🏠 \$45,160-\$122,390 ↑ Increasing Demand
- Drone Pilot 🏠 \$60,000-\$130,000 → Stable Demand
- Transportation Inspector 🏠 \$50,030-\$110,200 ↗ Increasing Demand
- Pilot 🏠 \$80,000-\$200,000 → Stable Demand
- Aircraft Mechanic 🏠 \$50,000-\$98,590 ↗ Increasing Demand
- Marine Technician 🏠 \$40,000-\$100,000 → Stable Demand
- Avionics Technician 🏠 \$50,700-\$100,860 ↗ Increasing Demand
- Race Car Technician 🏠 \$40,000-\$100,000 → Stable Demand

Professional Level Careers (Bachelor's Degree)

- Helicopter Pilot 🏠 \$50,000-\$180,000 ↗ Increasing Demand
- Transportation Planner 🏠 \$60,000-\$115,000 ↗ Increasing Demand
- Operations Research Analyst 🏠 \$60,000-\$130,000 ↑ High Demand

UPCOMING EVENTS

January 7
Classes resume

January 19
Holiday: MLK Day

January 24
Oscar Night

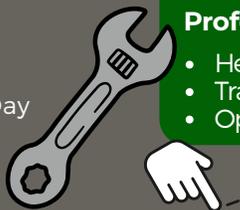
January 26-30
Basketball Homecoming Week

January 29-30
MED 10th & 11th Grade
College Trip

February 9
Holiday: President's Day

February 11
Financial Aid Night

February 16
Holiday: President's Day



TRANSPORTATION

Career Cluster: Transportation, Distribution & Logistics

Jobs in this cluster focus on moving people and products by road, air, rail and water.

College & Career Resources

College Majors:

- Flight Science
- Automotive Technology
- Industrial Maintenance

College & Universities:

- [Fresno City College](#)
 - [Automotive Technology](#)
 - [Industrial Maintenance](#)
- [College of the Sequoias](#)
 - [Automotive Technology](#)
 - [Industrial Maintenance](#)
- [Reedley College](#)
 - [Flight Science](#)
 - [Automotive Technology](#)
 - [Aviation Maintenance](#)

TRANSPORTATION

This industry gives hands-on experiences in areas like aviation, service and repair. Careers in this industry include: harbors, ports, warehousing, airplanes, trains, vehicles, and specialty equipment.

At Dinuba High School you can study and take classes in our [Automotive](#) pathway and [Aviation Maintenance/Flight Science](#) pathway.



ZOOM INTO CAREERS



Why your daughter should learn how to fly an airplane
A plane you can drive [CLICK HERE](#)



Sign-in to Clever & click on the book to read!



K-2



K-2



K-2



3-6



3-6



3-6

K-2

MEET AN AMERICAN AIRLINES PILOT!

K-2

MEET AN AUTOMOTIVE SERVICE TECHNICIAN

3-6

BECOME AN AIRLINE PILOT!

3-6

DAY IN THE LIFE OF A RACE CAR MECHANIC

3-6

WHAT IT TAKES TO BE AN AIR TRAFFIC CONTROLLER

3-6

DAY IN THE LIFE OF A DRONE PILOT

K-6

I WANT TO BE A TRANSPORTATION INSPECTOR

The mission of the College & Career Department is to empower all students with educational and work-based experiences to ensure that they are college, career, & life ready.

For more information visit our [website!](#)