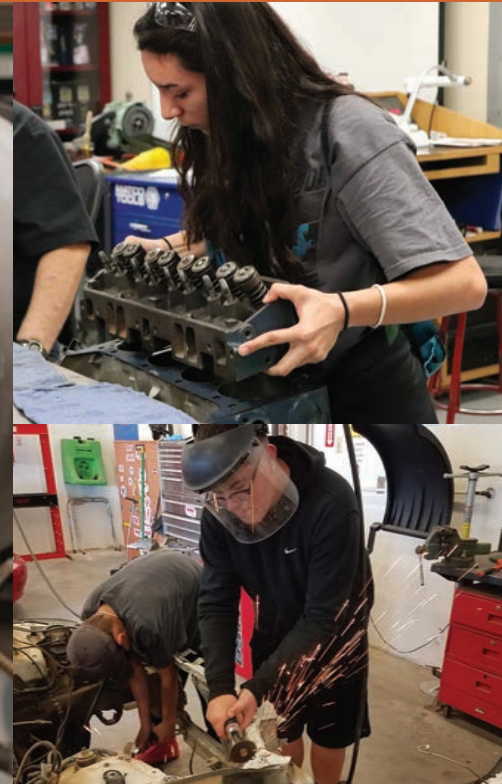Industry Sector Programs Offered by **MDCP**

"The GE and ComAv fieldtrip helped me make a major decision in my life to take a step in the right direction for my future. Not only did it answer any questions I had about careers in aviation, but also inspired me to search for a career that suited me in this field."

— **B. BULLOCK**

MDCP programs in the Transportation sector fall within three categories: (1) Automotive systems diagnostics, service, and repair, (2) Automotive structural repair and refinishing, and (3) Aviation Airframe & Powerplant or Aerospace Engineering.

Typical of our automotive programs are industry-standard shops with current equipment, capabilities, and practices. Students learn how to select and employ the appropriate tools, software, equipment, and techniques in a wide variety of situations including basic car service operations, engine diagnostics, composite body repair, and body painting. Students in Automotive programs compete annually in a regional competition through partnership with Victor Valley College where students conduct a service advisor work order write-up, electrical circuit construction, Ohms

law exercises, tire rotation and wheel torqueing, compression testing, and internal engine component identification. Additionally, many students go on to compete in SkillsUSA regionally and beyond.

In aviation-focused programs, students learn the principles and physics of flight, learn about electrical and mechanic components of aircraft, their implementation and repair, and about entry points into aviation and aerospace careers. Students in these programs are prepared to enter into Airframe & Powerplant programs at the postsecondary level or into basic entry-level work in the industry.

Districts that offer this Industry Sector

![MDCP Career Pathways]

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