TECH PATHWAYS

Under the Hood Journal

September 2024

Steering, Suspension, and Tires: The Foundation of a Smooth Ride

In our first unit of study, we dive into critical systems in all vehicles: the steering, suspension, and tires. These components work together to ensure a smooth and stable ride while maintaining control and safety on the road.

The steering system allows drivers to precisely control the direction of the vehicle, while the suspension system absorbs road imperfections, providing comfort and stability. Tires, the only parts of the vehicle that make direct contact with the road, are equally vital—they affect handling, braking, and overall vehicle performance.

Throughout this unit, our pre apprentices will gain hands-on experience learning about issues like worn ball joints, faulty shocks, misaligned wheels, and uneven tire wear. By learning how to inspect and repair these components, they will build a strong foundation in preventative maintenance and road safety. Here is a picture of them getting hands out experience in dismounting and mounting various sizes of tires.

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Leadership Focus: Building Strong Relationships Starts with You

This month, we focus on the foundation of all relationships—the one you have with yourself. Self-awareness is key to understanding how you view the world and interact with others. When you know your strengths, values, and mindset, you can better navigate your role in a team.

At Tech Pathways, we expect our apprentices and pre-apprentices to embrace continual self-improvement, both professionally and personally. In the classroom and future workplaces, recognizing that everyone has their own unique perspective helps us build more respectful, effective relationships. By knowing yourself and striving for growth, you'll be better equipped to work with others, communicate clearly, and contribute to a strong, unified team.

Tools!

Our pre-apprentices have started their Tech Pathways journey getting to know their **TOOLS**- learning the names, taking inventory and organization, and the proper care of each one. Tech Pathways supplies the basic tools needed to start your career as a Technician.
Did you know the average Technician spends $7,000-$11,000 on tools during their career?!

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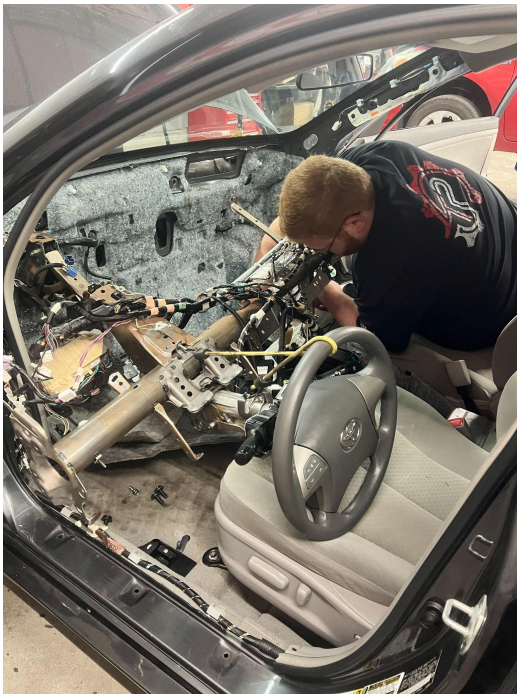

What Our Current Apprentices Are Up To

Check out Nathan as he diagnosed and repaired this 2008 Camry, which landed in the shop due to the air conditioning not working. Using the skills and knowledge he has acquired, Nathan charged the AC and added dye to find out the AC evaporator was leaking refrigerant. In order to repair the evaporator, Nathan had to remove the dash and wiring harness from the car to get the HVAC system out. The best part about this repair is that this particular car was donated by the tech pathways students to a community member in need, and now the apprentices are able to continue keeping it running properly for the owner!

Back to School Night- Welcome to our new Pre-Apprentice Students!

Thank you if you joined us as we celebrated our new class of Tech Pathways Pre-Apprentices in August! As always we are so thankful for the support of parents, schools and staff. We are looking forward to learning and growing with our new class of students this year.

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Exciting Upcoming Dates

- **At-Home Study Days:** October 4, 10 & 11, November 25 & 26
- **Special Visit:** Senator Phillips-Hill & Secretary Walker coming to Tour Tech Pathways
- **Introduction to Automotive Days** - November 11-15

Stay Connected

Feel Free to send this to friends and family, and encourage them to sign up to stay informed: FOLLOW THIS LINK

For any questions or further information, please contact us at futureofauto@hanoverautoteam.com.

We look forward to another fantastic year of learning and growth together!