TECH PATHWAYS

Under the Hood Journal

December 2024

Reinstalling an Engine: Precision, Patience, and Practice

December marks an exciting milestone for our pre-apprentices: the culmination of their engine removal and reinstallation project. This hands-on experience is paired with classroom instruction on the internal combustion engine, giving students a comprehensive understanding of how the power plant of a vehicle works.

The engine removal & reinstallation process is a masterclass in organization and precision. As seen in this month's photo, every bolt, and component is carefully labeled and stored—baggies full of fasteners line the bench, each tagged with the component it belongs to. This system ensures the engine and vehicle are reassembled correctly and efficiently, teaching students the importance of planning and attention to detail.

This major project is not just about technical skill; it's about building confidence and team work. The experience of tackling such a complex task prepares students to face real-world challenges and proves their readiness to become future automotive technicians.

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Leadership Focus: 10 Points of Separation

As December progresses, our pre-apprentices embark on an exciting new unit: the *10 Points of Separation*. This 12-week journey equips students with strategies and tools to elevate themselves both professionally and personally. These principles are designed not only to lay a solid foundation but also to challenge students to put their learnings into practice on the shop floor.

From tackling negativity and confronting conflict to uplifting your teammates, the ***10 Points of Separation*** emphasize that even small steps forward make a big difference. The journey wraps up with an exciting escape room challenge, where students put these principles into action while working as a unified team.

This transformative unit inspires our students to separate themselves from the crowd, embracing the mindset, attitude, and effort it takes to win championships—not just in their careers, but in life.

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Winter Weather is Coming!

As the snow starts to fall and winter settles in, here's a quick reminder about our weather policy. We'll follow the school district's lead—if schools close for bad weather, we'll do the same. Don't worry, though! We'll keep students in the loop through the *Band* app so they know exactly what's happening.

If we need to make up for lost time, we'll work together to figure out a plan, whether that's at-home activities or extra shop time. Either way, we've got them covered!

Stay cozy, have fun in the snow, and remember to stay safe out there.

What Our Current Apprentices Are Up To

Tyler has been busy at Hanover Toyota this month, between using his new emissions license to run emissions tests, helping install a transfer case on a Tundra, and so much more! The student's first year at Tech Pathways in the classroom sets them up with the knowledge they need to feel confident in the shop during their second year- and they always have a Master Technician to lean on if they have questions or need help throughout their work day.

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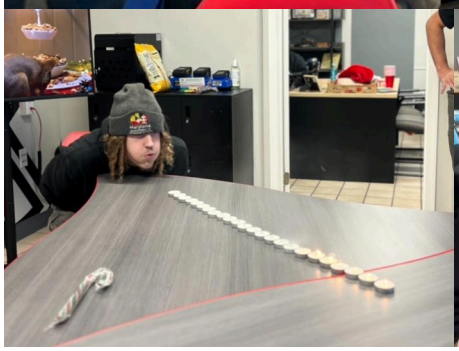
Happy Holidays from Tech Pathways!

We hope all of our students, your families, and our partners in the schools and the community have a joyous and happy Holiday Season. Thank you for your ongoing support this year and we look forward to a bright and successful New Year with all of you! Enjoy these photos from our Tech Pathways Christmas party, where the students competed in a few "Reindeer Games."



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Exciting Upcoming Dates

- **Tech Pathways Closed:** December 23-31, January 1, January 17
- **Open Shadow Event Days:** Tuesdays & Wednesdays January-February

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!