

Skilled Trades Careers

Automotive Trades Career Opportunities Worksheet

Please include any additional career topics unique to your participating organization or other available community-based organization.

Career Opportunities Activity Topics	Organization Has Resources	Organization Consultant
	Yes/No	Who can teach this skill?
1. Basic combustion engine operations		
2. Basic diesel engine operations		
3. Exhaust systems		
4. Electrical systems		
5. Carburetor problems		
6. Fuel and fuel-injection systems		
7. How to perform a tune-up		
8. Oil changes and filters		
9. Engine cooling systems		
10. Air conditioning and heating		
11. Braking systems		
12. Drivetrains and transmissions		
13. Steering components		
14. Body work—Painting		
15. Body work—Dents and repairs		
16. Safety inspections for vehicles		
17. Tire alignment and balance		
18. Computer technology with cars		
19. Auto mechanic basic tools		
20. Safety concerns and procedures		
21. Belts, hoses, and plugs		
22. Shocks and struts		
23. Windshields, mirrors, and glass		
24. Interior and exterior lights		
25. Installing radios and music players		
26. Mobile communications equipment		
27. Unibody framework and repair		
28. Welding skills for mechanics		
29. Local and state inspection rules		
30. Certifications for auto mechanics		
31. Insurance and claims		

Career Opportunities Activity Topics	Organization Has Resources	Organization Consultant
	Yes/No	Who can teach this skill?
32. Ordering parts and keeping inventory		
33. Supervising a crew		
34. Budgeting		

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Automotive Sample Program Calendar

	First Meeting Date	First Meeting Career Opportunities Topic	First Meeting Adult Consultant/ Youth Chair	Second Meeting Date	Second Meeting Career Opportunities Topic	Second Meeting Adult Consultant/ Youth Chair	Monthly Post Planning Meeting Date	Monthly Post Activity	Monthly Post Activity Consultant/ Youth Chair	Council Activity Programs
September	First Wednesday	Fall frinsighter	Hal, Mark	Second Wednesday	Elect officers	Bill, Martha	Third Wednesday	Host a picnic for Explorers and their families.	Mike, Mary	
October	First Wednesday	Fundamentals of service	James, Sean	Second Wednesday	Gasoline engines	Cliff, Cheryl	Third Wednesday	Visit car dealerships, truck terminals, or auto parts suppliers.	Kim, Jim	
November	First Wednesday	Fuel systems	Frank, Tom	Second Wednesday	Ignition systems	Peggy, Jimmy	Third Wednesday	Conduct a car wash, and sell auto safety items.	Keith, Amy	Learning for Life program conference
December	First Wednesday	Emission control systems	Cosby, Judy	Second Wednesday	Auto transmission diagnosis and repair	Marty, Mariann	Third Wednesday	Help non-English speakers prepare for the driver's test.	Karen, Stephen	
January	First Wednesday	Basics of scope analysis	Lauri, Mike	Second Wednesday	Efficient engine analysis	Jim, Natalie	Third Wednesday	Conduct a school defensive-driving course.	Adam, Becky	Learning for Life leadership workshop series — 16 components
February	First Wednesday	Diagnosis of wheel vibration	Mathew, Danny	Second Wednesday	Diagnosing front-end problems	John, Cindy	Third Wednesday	Set up school carpool and ride-sharing bulletin boards.	Michael, Debbie	
March	First Wednesday	Infrared exhaust analysis	Tom, Katy	Second Wednesday	Air conditioning and heating	Carey, Ann	Third Wednesday	Demonstrate and publicize ways for users to conserve gasoline.	Roger, Sherri	Learning for Life community service project
April	First Wednesday	Preparing for ASE certification	Cliff, Maya	Second Wednesday	Preparing for ASE certification	Debbie, Murray	Third Wednesday	Conduct a car wash, and sell auto safety items.	Alex, Gretchen	
May	First Wednesday	Preparing for ASE certification	Ashley, Amy	Second Wednesday	Firnsighter for Explorers and their families	Rayna, David	Third Wednesday	Conduct a survey on better public transportation.	Jeff, Joanne	Learning for Life character education in Exploring — Four components
June/July	First Wednesday	Defensive-driving course	Mathew, Monica	Second Wednesday	Setting up a repair shed for other Explorers	Faye, Hazel	Third Wednesday	Visit the state motor vehicle department, and meet auto inspectors.	Brenda, Joe	
August	First Wednesday	What to look for when buying a used car	Paul, Denise	Second Wednesday	Auto parts retailers	David, Stephanie	Third Wednesday	Assist a new car dealers' association.	Ken, Imelda	