



**Automotive (AUT 196)-Occupational Work Experience
LEARNING OBJECTIVES**

Objective	Outcome Measurement	Learning Process
To perform minor automotive repairs in an accurate and efficient manner	I will be able to look up repair-related data in Shopkey. I will use the proper methods, tools and equipment to complete the repairs. The repairs will be completed according to shop standards, and I will complete all post-repair paperwork accurately and efficiently. Tools and equipment will be properly maintained, cleaned and stored.	I will review any material recommended to me by my supervisor. I will observe my supervisor and/or co-workers performing repairs and related paperwork, and will do repairs under their observation, making adjustments in my approach based on the feedback I receive.
To accurately and efficiently complete a brake job	I will be able to accurately calculate the remaining percentage of a brake pad or shoe. I will complete the brake job in an accurate and efficient manner with minimal waste, and according to shop standards. Tools and equipment will be properly maintained, cleaned and stored.	I will review any material recommended to me by my supervisor. I will observe my supervisor and/or co-workers performing brake jobs and related paperwork, and will do brake jobs under their observation, making adjustments in my approach based on the feedback I receive.
To accurately and efficiently change struts	I will be able to accurately and safely remove and install struts in the expected amount of time, and according to shop standards. Tools and equipment will be properly maintained, cleaned and stored.	I will review any material recommended to me by my supervisor. I will observe my supervisor and/or co-workers removing and installing struts and completing related paperwork, and will do the same under their observation, making adjustments in my approach based on the feedback I receive.
To accurately and efficiently change tie rod ends	I will be able to accurately and safely remove and install tie rod ends in the expected amount of time, and according to shop standards. Tools and equipment will be properly maintained, cleaned and stored.	I will review any material recommended to me by my supervisor. I will observe my supervisor and/or co-workers changing tie rod ends and completing related paperwork, and will do the same under their observation, making adjustments in my approach

		based on the feedback I receive.
To accurately and efficiently replace a fuel pump	I will be able to accurately and safely replace a fuel pump in the expected amount of time, and according to shop standards. Tools and equipment will be properly maintained, cleaned and stored.	I will review any material recommended to me by my supervisor. I will observe my supervisor and/or co-workers replacing a fuel pump and completing related paperwork, and will do the same under their observation, making adjustments in my approach based on the feedback I receive.
Effectively use automotive tools	I will know the names and functions of all commonly used tools, be able to use them effectively, and clean, maintain and store them in a proper and efficient manner	I will review all the names and functions of the various tools commonly used in the automotive trade with my supervisor. I will use each of them at least once for a repair job, under the supervision of my supervisor, until I am able to use the tools correctly and effectively. I will receive direction from my supervisor regarding how tools are to be cleaned, maintained and stored, and receive feedback on my attempts to meet the shop's standards in this regard
To accurately and efficiently complete a minor tune-up on a late model vehicle	I will complete all aspects of a minor tune-up in an accurate and efficient manner according to the shop's standards, according to the observations of my supervisor	I will review any material recommended to me by my supervisor. I will observe my supervisor and/or co-workers completing a minor tune-up and completing related paperwork, and will do the same under their observation, making adjustments in my approach based on the feedback I receive.
To conduct an accurate and efficient inventory	I will conduct a comprehensive inventory, including any associate paperwork, according to my supervisor's standards	I will review any material recommended to me by my supervisor. I will observe my supervisor and/or co-workers conducting an inventory and completing related paperwork, and will do the same under their observation, making adjustments in my approach based on the feedback I receive.

<p>I will be able to diagnose common automotive problems and recommend necessary repairs</p>	<p>I will use diagnostic software and troubleshooting strategies to identify common problems. I will be able to use reference books and software to help in diagnosing and in recommending repairs. I will have 85% accuracy rate in my diagnosis and recommendation of repairs.</p>	<p>I will review any material recommended to me by my supervisor. I will observe my supervisor and/or co-workers using diagnostic software and troubleshooting strategies and completing related paperwork, and will do the same under their observation, making adjustments in my approach based on the feedback I receive.</p>
<p>To effectively and efficiently operate OTC Genesis scan tool, All Data, and Mitchel on demand computer reference manuals needed to perform my job.</p>	<p>I will use the equipment in a way that gets desired results efficiently and with minimal error, as noted by my supervisor</p>	<p>I will read pertinent operators manuals and/or tutorials for each piece of software; I will use the software under the observation of my supervisor, making adjustments in my approach based on the feedback I receive. I will continue to use the software until I am proficient in its use.</p>
<p>Improve my automotive technical skills and knowledge related to the VATS</p>	<p>My supervisor will observe my increased and accurate usage of automotive concepts and terms. I will accurately and efficiently diagnose the VATS in a 1990 Corvette. I will be able to accurately describe my process and recommendations for repairs.</p>	<p>I will conduct research on VATS anti-theft system, which I will discuss with my supervisor. I will identify several strategies for diagnosing the VATS system. I will identify the best strategy and implement this in the 1990 Corvette. I will discuss the outcomes of my efforts with my supervisor on a regular basis and make adjustments in my approach based on his feedback.</p>
<p>To develop the skills and knowledge needed to effectively and knowledgably assist others in electricity maintenance and repair.</p>	<p>My supervisor will observe me using effective instructional techniques, appropriate concepts and proper terminology when assisting other's work on electrical systems. I will set-up assignments and work materials for the class to the satisfaction of my supervisor.</p>	<p>I will review any educational materials provided to me by my supervisor. I will take direction from my supervisor and observe his approach to these tasks. I will perform these tasks under observation and make adjustments in my approach based on the feedback I receive.</p>
<p>Improve my ability to facilitate students' knowledge and skills development as it relates to automotive technology.</p>	<p>I will set up lab activities that meet my supervisor's approval. I will ensure that cars are pre-bugged and tools and equipment are placed out before the lab. I will effectively coach at least 3</p>	<p>I will conduct research on the tutoring process and incorporate 1-2 ideas into my regular assignments. I will improve activity sheets by validation with students and</p>

	<p>teams of 2-3 students successfully through a lab activity. I will organize tools and equipment at the end of each class. I will effectively coach students through shop clean up and organization and as a result the shop will be clean and tools and equipment will be clean and in their proper places at the end of each shop period. Student surveys will indicate satisfaction with my tutoring techniques.</p>	<p>recommend edits as needed to improve the lab experience. I will discuss the outcomes of my efforts with my supervisor on a regular basis and make adjustments in my approach based on his feedback. I will draft a student satisfaction survey for my supervisor's review; once approved, I will have those I tutor complete the survey anonymously, and submit it to the supervisor, who will review the results with me.</p>
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