

CTE Automotive Fundamentals

- PS 1 Demonstrate and apply all safety and pollution prevention training in accordance with NATEF current practices.
- PS 2 Identify and demonstrate the proper use of hand tools and general shop equipment.
- PS 3 Identify, describe, and compare basic powertrain, drivetrain, chassis, electrical, and powertrain support components and system functions.
- PS 4 Interpret and demonstrate basic math and measurement skills found in automotive applications.
- PS 5 Identify and examine automotive career opportunities and ASE certification.
- PS 6 Acquire, categorize, and demonstrate the use of automotive service information.
- PS 7 Identify and demonstrate the use of automotive fasteners, gaskets, and torque procedures.
- PS 8 Interpret articles from current automotive journals and periodicals.
- PS 9 Inspect and analyze a vehicle based on an industry standard inspection form.
- PS 10 Demonstrate engine cooling and lubrication system service procedures.
- PS 11 Demonstrate tire and wheel service procedures.
- PS 12 Demonstrate basic electrical circuit theory and proper electrical measurements using a Digital Multimeter.
- PS 13 Demonstrate basic automotive fluid service and routine maintenance procedures.
- PS 14 Establish, prioritize, and apply employability skills and workplace readiness skills as required by entry-level employers within the specific career and technical education content area.
- PS 15 9-10.RST.4 Determine the meaning of symbols, key terms, and other domain-specific words and phrases as they are used in a specific scientific or technical context relevant to grades 9–10 texts and topics.
- PS 16 9-10.RST.7 Translate quantitative or technical information expressed in words in a text into visual form (e.g., a table or chart) and translate information expressed visually or mathematically (e.g., in an equation) into words.
- PS 17 9-10.WHST.6 Use technology, including the Internet, to produce, publish, and update individual or shared writing products, taking advantage of technology's capacity to link to other information and to display information flexibly and dynamically.
- PS 18 9-10.WHST.8 Gather relevant information from multiple authoritative print and digital sources, using advanced searches effectively; assess the usefulness of each source in answering the research question; integrate information into the text selectively to maintain the flow of ideas, avoiding plagiarism and following a standard format for citation