

CTE Skill Certificate Test Performance Documentation

This document must be submitted to the test coordinator at the end of testing each trimester/semester.

Instructor's Name: _____ Course: Physics with Technology
School: _____ Test Number: 961
Students in course: _____ Dated: _____
Students tested: _____
Students who passed performance objectives at or above 80%: _____

This is to *verify* that the students marked **YES** in the system on performance accomplished the following performance objectives at or above the 80% (moderately to highly skilled) level.

1. Appropriately measure, report and interpret data
 - Student successfully follows technical instruction.
 - Select and correctly use appropriate measurement tools to measure a physical property of matter.
 - Data is properly reported/recorded.
 - Student will appropriately create and label a graph of their data.
 - Correctly interpret graphical representation of data.
 - Select and correctly use appropriate mathematical expressions.
2. Determine the electrical properties of matter by observing and measuring voltage and current, in series and parallel circuits.
 - Connect voltmeter correctly into a circuit (parallel or series).
 - Connect amp meter correctly into a circuit (parallel or series).
 - Properly set range and function switches on the meter.
 - Correctly read the meter.
3. Determine thermal properties of matter by measuring heating or cooling of matter over time.
 - Correctly use temperature measuring devices.
 - Accurately record temperature data over time in a graph, table or chart.
4. Measure and analyze objects in motion in linear or rotational systems.
 - Accurately measure linear or angular distance.
 - Accurately measure time.
 - Use the appropriate math formula to calculate a speed or rate.
 - Express answer using appropriate units and numbers.
5. Observe, analyze, and report characteristics of waves.
 - From an oscilloscope or a simulation, determine wave amplitude.
 - From an oscilloscope or a simulation, determine wave frequency.
 - From an oscilloscope or a simulation, determine wave period.
6. Measure, calculate, and report the energy and efficiency of an energy conversion device or system.
 - Determine potential and kinetic energy.

Each performance is documented and kept on file by the teacher for two years.
(Check the documentation method used)

- Class period summary score sheet
- Recorded and identified in the class grade book

Instructor's Signature: _____ Date: _____