



CTE Applied Math 1

- PS 1 Students are able to synthesize information from a variety of technological sources to apply mathematical and scientific calculations.
- PS 2 Students engage in a variety of mechanisms to identify the function of the mathematical computation.
- PS 3 Students are able to apply a variety of input functions and create multiple scenarios for appropriate answers.
- PS 4 Students apply comprehension strategies for information and technical materials to generate and answer questions.
- PS 5 Students are able to utilize a variety of formulas and equations to demonstrate complex rationalization.
- PS 6 Students are able to apply comparative analysis between International standards unit measurements and those in the United States.
- PS 7 Students will recognize, measure, and apply the relationships among characteristics rays, lines, end points, line segments, vertices, and angles.
- PS 8 Students are able to identify three dimensional figures and apply formulas for surface area and volume of three dimensional figures to solve problem.
- PS 9 Students are able to apply understanding of direct and inverse proportion to solve practical work related mathematical computations.
- PS 10 Students will demonstrate an understanding of how to write large and small numbers in power-of-ten notation by reading and writing numbers in scientific notation.
- PS 11 Student will be able to incorporate power-of-ten display by combining numbers written in scientific notation to solve problems.
- PS 12 Students are able to identify, calculate, and solve work-related problems that involve perimeter, area, surface area, and volume of common figures.
- PS 13 Identify and apply workplace readiness skills.
- PS 14 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 15 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 16 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 17 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