

CTE Composites 2

PS 1 Define and utilize 6 S in the laboratory.

PS 2 Demonstrate an understanding of composite terminology with the ability to define, utilize, and explain composite terminology.

PS 3 Demonstrate an understanding of safety rules for equipment/materials in the composites lab.

PS 4 Demonstrate an understanding of safety rules for power equipment in the composites lab.

PS 5 Recognize and utilize materials used in advanced vacuum bagging/forming processes.

PS 6 Utilize machining plugs to create a project.

PS 7 Demonstrate an understanding/ability to schedule a project over time.

PS 8 Understand and perform advanced assembly techniques.

PS 9 Understand and perform advanced bonding techniques.

PS 10 Understand and utilize matrix materials, resins, and core materials.

PS 11 Demonstrate an ability to build an advanced composite project.

PS 12 Apply design considerations to advanced composite structures to make a better product.

PS 13 Use communication skills (speaking, listening) to meet the needs of the workplace.

PS 14 Use communication skills (reading, writing, computing) to meet the needs of the workplace.

PS 15 Gather, interpret, and use data (math, measurement) consistently and accurately to make decisions and take action.

PS 16 Participate in and contribute to the effectiveness of teams.

PS 17 Identify, understand, and apply employability skills and workplace readiness skills as required by employers.

PS 18 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 19 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 20 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 21 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