

# CTE Drafting and Design Technology

PS 1 Students will know and apply basic sketching technique to accurately draw two dimensional objects with depth and detail.

PS 2 Students will identify and use a variety of drafting tools appropriately for drawing.

PS 3 Students will identify different measurements on a ruler.

PS 4 Students will apply measurements to a drawing.

PS 5 Students will properly create and lay out a border.

PS 6 Students will know and apply alphabet of lines and line qualities in their drawings.

PS 7 Students will apply and analyze drawing techniques, tools, and skills to bisect lines, angles, and arcs.

PS 8 Students will apply and analyze drawing techniques, tools, and skills to create octagons, hexagons, and pentagons.

PS 9 Students will apply and analyze drawing techniques, tools, and skills to create tangent arcs.

PS 10 Students will apply and analyze drawing techniques, tools, and skills to create an ellipse.

PS 11 Students will apply and analyze drawing techniques, tools, and skills to divide lines using tools other than using a ruler.

PS 12 Students will know and apply appropriate lettering techniques to their drawing

PS 13 Students will know and use general rules for dimension an object.

PS 14 Students will know and use techniques to accurately dimension circles, arcs, and holes.

PS 15 Students will know and use techniques to accurately dimension angles in degrees.

PS 16 Students will know and use techniques for creating sectional views of an object and will identify and evaluate what parts of a drawing need to be hatched.

PS 17 Students will identify, understand, and apply employability skills and workplace readiness skills as required by employers.

PS 18 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 19 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 20 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 21 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