



Goodheart-Willcox Publisher
Correlation of Exploring Drafting ©2018
to North Carolina Department of Education
Course: NCCTE IC61 Drafting I (Grades 9–12)



Standards		Correlating Text Pages
NCCTE.IC61 - Drafting I		
NCCTE.IC61.01.00 Understand Fundamental Concepts and Trends of Drafting.		
NCCTE.IC61.01.01	Understand BIM, and Rapid Prototyping.	433-437, 537
NCCTE.IC61.01.02	Understand Industrial Design, Sustainable Design, and LEED.	15, 418-425
NCCTE.IC61.01.03	Understand Career Options.	8, 14-25
NCCTE.IC61.02.00	Understand the Ideation process. (big 6 in academia) (SUPPLEMENTAL)	35
NCCTE.IC61.03.00 Apply sketching skills and techniques. (Architectural & Engineering)		
NCCTE.IC61.03.01	Apply Rough sketching (lettering for clarity, uppercase caps).	28-47
NCCTE.IC61.03.02	Apply 2D sketching-Single and Multi-view.	28-47
NCCTE.IC61.03.03	Apply 3D sketching-Pictorials (isometric, oblique).	332-342
NCCTE.IC61.04.00 Apply CAD User Skills (with use of the following CAD software).		
NCCTE.IC61.04.01	Apply procedures for working with the User interface (navigation tools).	4, 144-148
NCCTE.IC61.04.02	Apply procedures for creating drawings (coordinates and draw tools). Review Geometric Shapes.	4, 144-148
NCCTE.IC61.04.03	Apply procedures for manipulating objects (grips, object selection, drawing aids).	148, 153-154
NCCTE.IC61.04.04	Apply procedures for working with the drawing organization and inquiry commands (layers).	148, 154-155
NCCTE.IC61.04.05	Apply procedures for altering objects (modifying).	4, 144-178
NCCTE.IC61.04.06	Apply procedures for working with layouts (templates, viewports).	4, 144-178



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Standards		Correlating Text Pages
NCCTE.IC61.04.07	Apply procedures for annotating the drawing (adding Text).	204
NCCTE.IC61.04.08	Apply procedures for dimensioning.	274
NCCTE.IC61.04.09	Apply procedures for hatching objects (Drawing enhancements).	4, 144-148
NCCTE.IC61.04.10	Apply procedures for working with reusable content (blocks).	4, 155-156
NCCTE.IC61.04.11	Apply procedures for creating Additional drawing objects (polylines splines ellipse).	158
NCCTE.IC61.04.12	Apply procedures for plotting the drawing.	4, 144-178