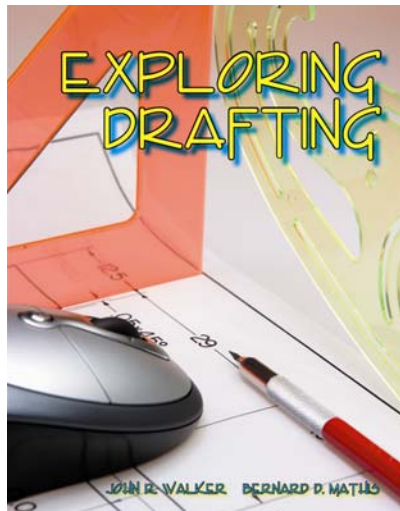




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**North Carolina Department of Public Instruction
Blueprint Correlations**

Course: Drafting I
***Exploring Drafting* © 2008**



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Textbook Title: Exploring Drafting
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Comp # Obj #	Unit Titles / Competency and Objective Statements (The Learner will be able to:)	Correlating Page Numbers
A LEADERSHIP		
1.00	Demonstrate basic business meeting skills and goal setting	
1.01	Demonstrate basic business meeting skills	24, 36-37, 173, 247
1.02	Demonstrate personal and organizational goals	34-38
1.03	Identify career goals and opportunities related to engineering and technical graphics	23, 27-39, 159, 196, 361, 374, 383, 396, 411, 456, 480
B SKETCHING		
2.00	Demonstrate basic sketching skills and techniques	
2.01	Identify the concepts related to sketching	41-65, 204-205, 376
2.02	Explain the concepts related to sketching multiviews and pictorials	203-210, 306-308, 313
2.03	Construct an isometric sketch	288-293, 297-298
2.04	Construct an oblique sketch	293-294, 298-300
2.05	Construct a multiview sketch	203-210
C BASIC DRAFTING SKILLS		
3.00	Demonstrate basic drafting skills and techniques	
3.01	Explain the correct use of manual drafting equipment and supplies	67-87, 89, 95-107, 180-182
3.02	Explain correct lettering technique	175-189, 221-223, 225-229
3.03	Demonstrate correct drawing procedures	89, 100-119, 203-210
3.04	Construct a single-view drawing	149, 248-249
D BASIC GEOMETRIC TERMS AND CONSTRUCTION		
4.00	Explain geometric terms and apply geometric construction techniques	
4.01	Explain selected geometric terms	122-123, 197-202
4.02	Explain the procedures for drawing standard geometric constructions	121-149
4.03	Construct drawings that require geometric constructions	60-65, 148-149, 268-271, 350-354
E MULTIVIEW DRAWING		
5.00	Demonstrate orthographic projection techniques and principles as they apply to multiview drawings	
5.01	Explain the concepts and principles underlying the creating of multiview drawings	191-217
5.02	Visualize objects and views	193-205
5.03	Construct multiview drawings	205-210, 212-217, 250-251, 268-271, 280-283, 350-354
F BASIC DIMENSIONING SKILLS		
6.00	Demonstrate basic dimensioning skills	
6.01	Identify the accepted standards for mechanical dimensioning practices	220-243, 518-519
6.02	Explain the procedures for dimensioning mechanical drawings	221-245
6.03	Construct dimensions on an engineering drawing	248-251, 350-354, 427-430
G COMPUTER AIDED DESIGN AND DRAFTING		
7.00	Demonstrate basic CAD commands and techniques	
7.01	Explain basic CADD terms and concepts	151-173, 210, 243, 265, 278, 308, 401, 415, 457, 489
7.02	Explain basic 2D CAD commands	164-169
7.03	Explain basic 3D modeling commands and concepts	169-172, 308-313
7.04	Construct a 2D CAD drawing	155-169, 210, 243

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7.05 Construct a 3D CAD model	308-313
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