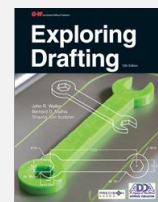


Goodheart-Willcox Publisher
Correlation Exploring Drafting ©2018
to Alabama Department of Education
Course Name: Intermediate Drafting Design (Grades 9-14)
Manufacturing: Additive Manufacturing



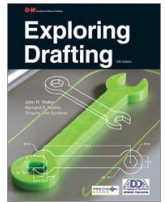
Standards		Correlating Text Pages
FOUNDATION STANDARDS		
Each foundational standard completes the stem "Students will..."		
1.	Incorporate safety procedures in handling, operating, and maintaining tools and machinery; handling materials; utilizing personal protective equipment; maintaining a safe work area; and handling hazardous materials and forces.	61, 76-77
2.	Demonstrate effective workplace and employability skills, including communication, awareness of diversity, positive work ethic, problem-solving, time management, and teamwork.	21-24, 441
3.	Explore the range of careers available in the field and investigate their educational requirements, and demonstrate job-seeking skills including resume-writing and interviewing.	13-24
4.	Advocate and practice safe, legal, responsible, and ethical use of information and technology tools specific to the industry pathway.	13-24, 61, 76-77
5.	Participate in a Career and Technical Student Organization (CTSO) to increase knowledge and skills and to enhance leadership and teamwork.	215
INTERMEDIATE DRAFTING DESIGN CONTENT STANDARDS		
Each content standard completes the stem "Students will..."		
Section Views		
1.	Demonstrate the proper use of sectional view concepts to create a full section, half section, broken-out section, offset section, revolved section, and a removed section, utilizing cutting planes and applying section lining.	288-299, 524
Auxiliary Views		
2.	Create drawings of inclined surfaces, constructing primary auxiliary views.	221-223, 312-318
Threads and Fasteners		
3.	Create drawings illustrating detailed, schematic, and simplified thread representation, identifying common thread terms.	484-495



Goodheart-Willcox Publisher

18604 West Creek Drive • Tinley Park, IL 60477-6243

Web www.g-w.com
Orders 800.323.0440
Phone 708.687.5000
Fax 708.687.5068



Standards		Correlating Text Pages
Pictorial Views		
4	Utilize pictorial concepts to produce an isometric drawing, identifying obliques, trimetric, and diametric views.	330-351
Dimensioning		
5.	Apply dimensions, notes, and other relevant information to an isometric drafting design project, utilizing American National Standards Institute (ANSI) dimensioning standards.	
	a. Identify and explain dimensioning symbols and tolerances.	248-273